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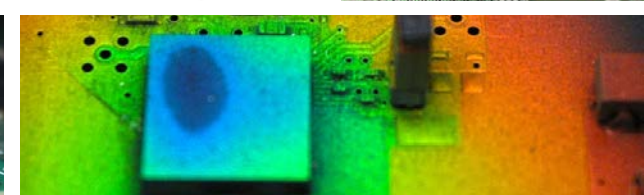
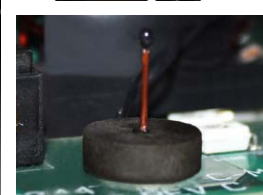
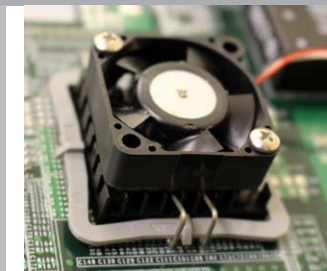
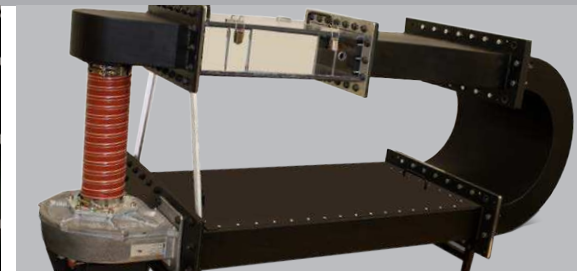
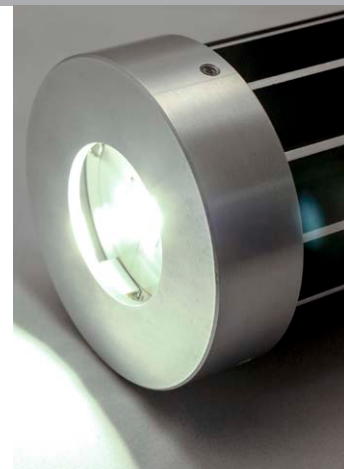
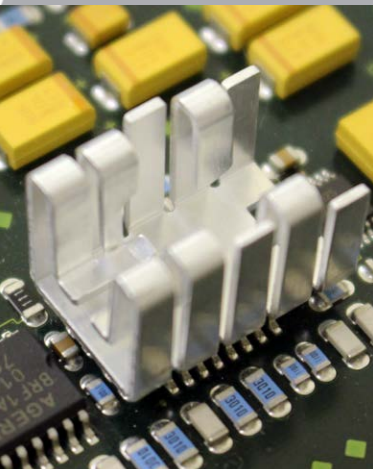
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Standard Board Level Heat Sink Catalog



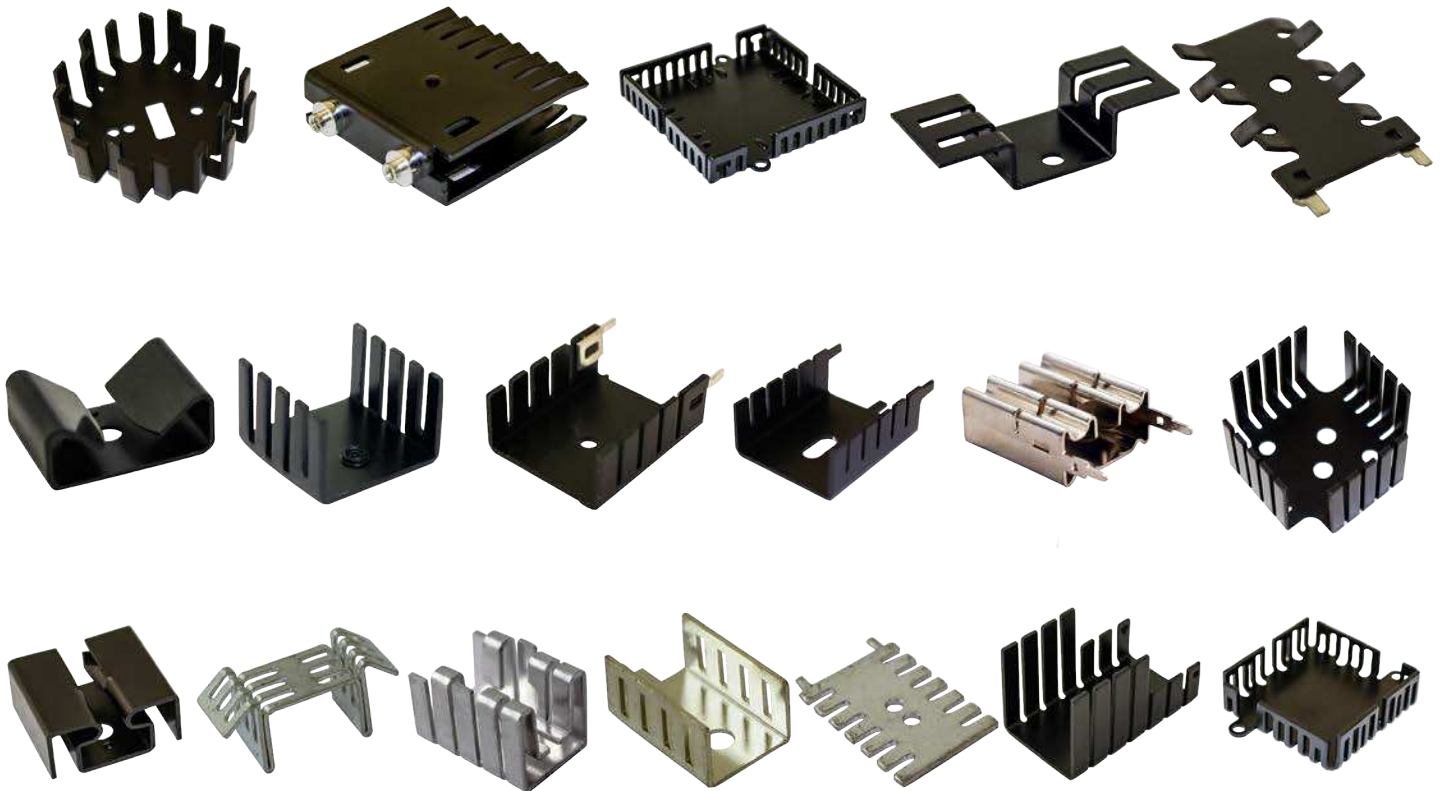
89-27 Access Road, Norwood, MA 02062  
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THERMAL  
SOLUTIONS, INC.  
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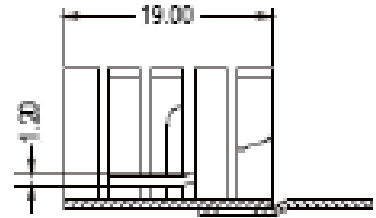
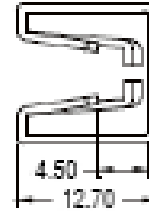
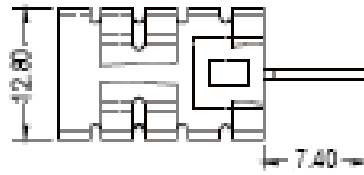
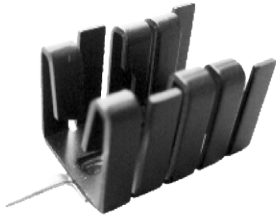


# STAMPED STANDARD HEAT SINKS



- » PC Board Level Standard Heat Sinks
- » Standard for TO220s, TO-3s, TO-5s, TO-126s, TO-127s, TO-202s, TO-218s
- » Aluminum anodized material with solderable tabs or aluminum tin plated, copper tin plated
- » Clips, Nuts, or Thermal pad optional

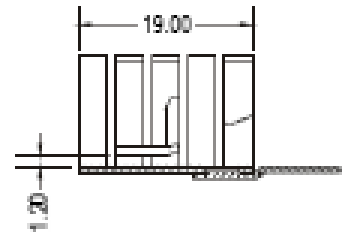
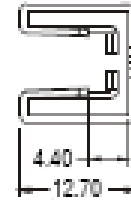
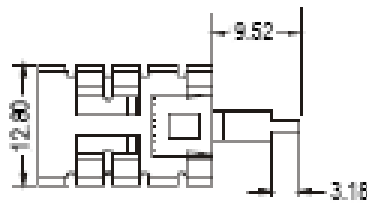
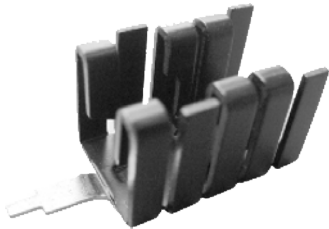
**ATS-PCB1001**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19          | 12.8       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220,TO-262   | 27.3                                    | 10.2        | 7.0         | 5.7         | 4.8         |

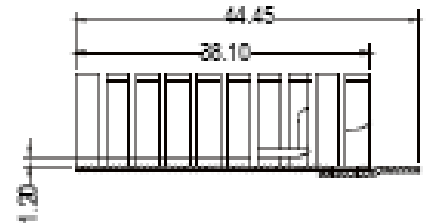
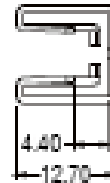
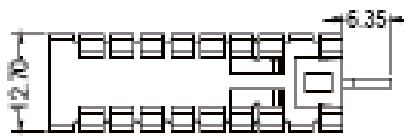
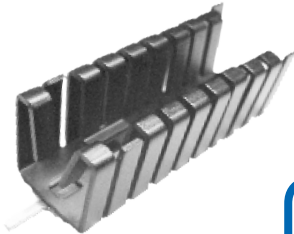
**ATS-PCB1002**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19          | 12.8       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220,TO-262   | 27.3                                    | 10.2        | 7.0         | 5.7         | 4.8         |

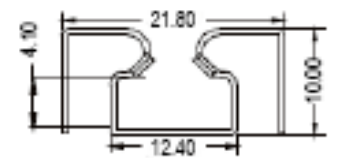
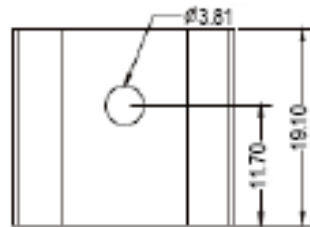
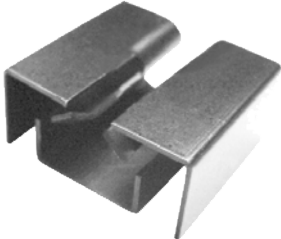
**ATS-PCB1003**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 38.1        | 12.7       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 20.0                                    | 7.0         | 4.6         | 3.7         | 3.0         |

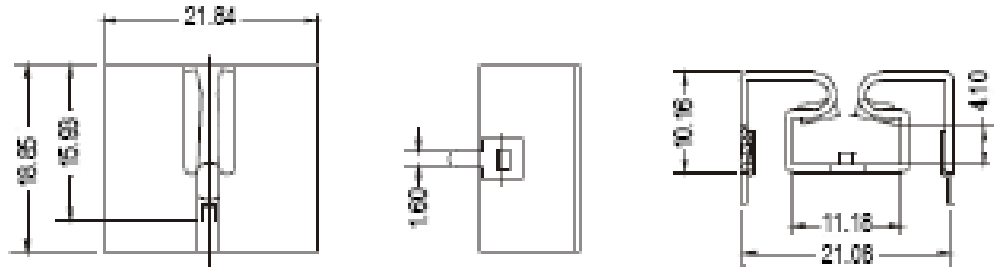
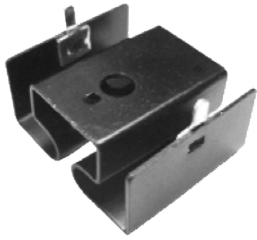
**ATS-PCB1004**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.1        | 21.8       | 10.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 23.2                                    | 12.7        | 9.0         | 7.0         | 5.6         |

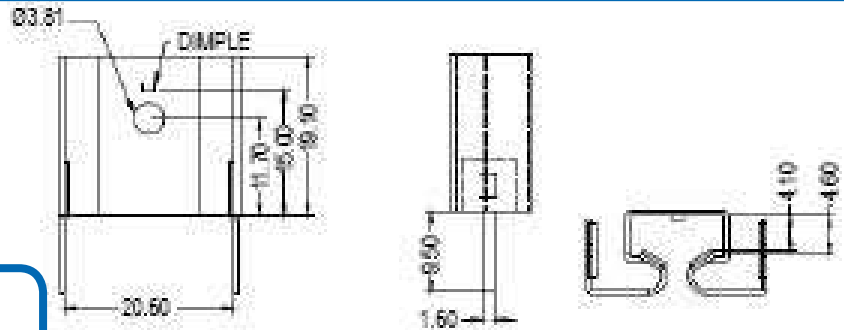
**ATS-PCB1005**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 18.9        | 21.8       | 10.         | No TIM | Aluminum | Blk Anodized | TO-220          | 23.2                                    | 12.0        | 8.2         | 6.0         | 4.2         |

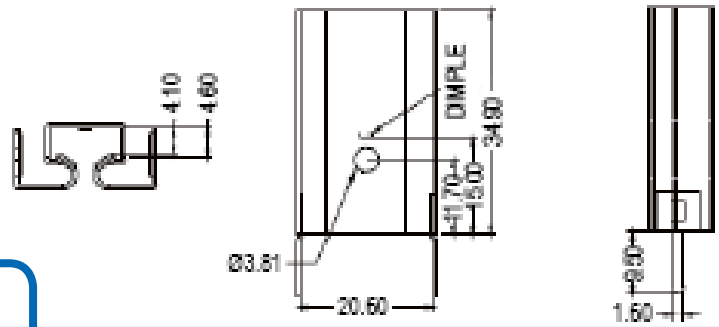
**ATS-PCB1006**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.1        | 21.8       | 9.9         | No TIM | Aluminum | Blk Anodized | TO-220          | 21.2                                    | 11.0        | 8.0         | 6.0         | 4.8         |

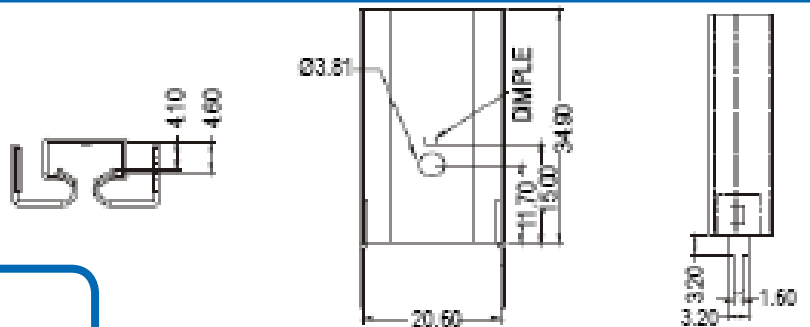
**ATS-PCB1007**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 34.9        | 21.8       | 10.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 16.0                                    | 11.0        | 8.0         | 6.0         | 4.8         |

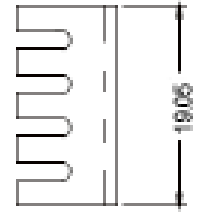
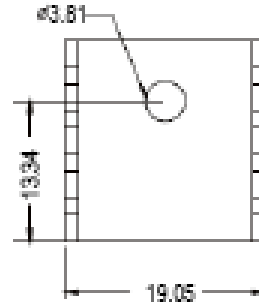
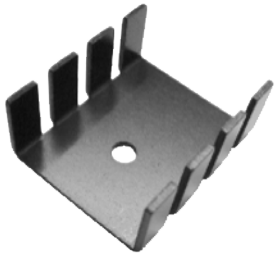
**ATS-PCB1008**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 34.9        | 21.8       | 10.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 16.0                                    | 11.0        | 8.0         | 6.0         | 4.8         |

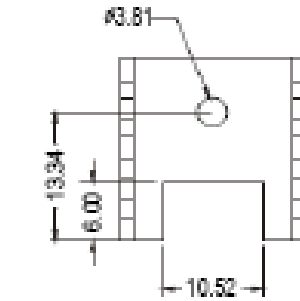
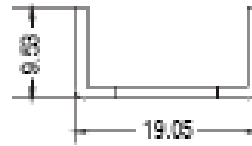
**ATS-PCB1009**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.         | 19.        | 9.5         | No TIM | Aluminum | Blk Anodized | TO-220          | 24.0                                    | 10.0        | 6.1         | 5.0         | 4.0         |

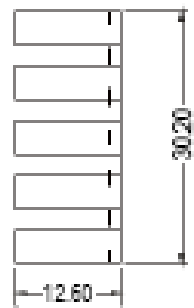
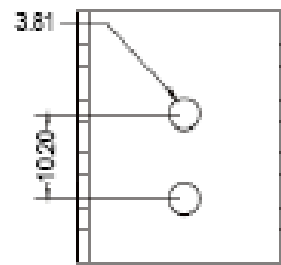
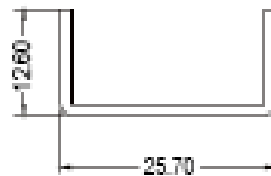
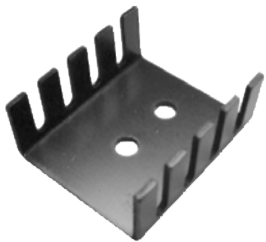
**ATS-PCB1010**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.         | 19.        | 9.5         | No TIM | Aluminum | Blk Anodized | TO-220          | 24.0                                    | 10.0        | 6.1         | 5.0         | 4.0         |

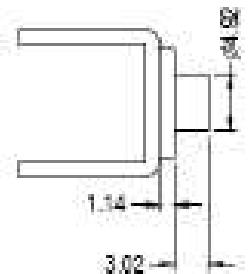
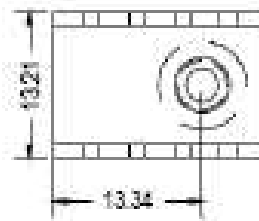
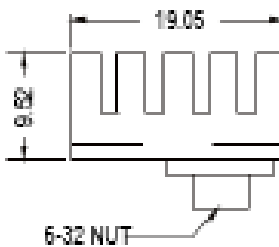
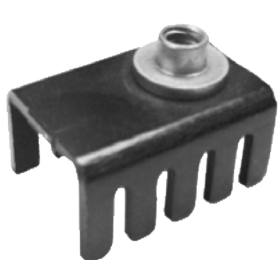
**ATS-PCB1011**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.2        | 25.7       | 12.6        | No TIM | Aluminum | Blk Anodized | TO-220          | 16.7                                    | 11.0        | 7.8         | 6.0         | 5.1         |

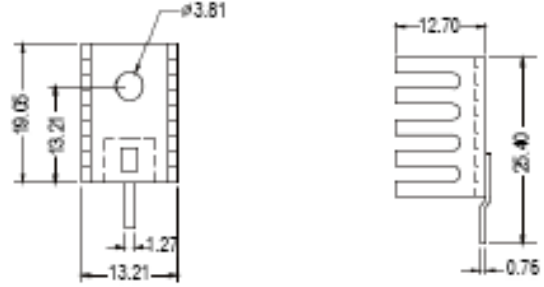
**ATS-PCB1012**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.         | 13.2       | 9.5         | No TIM | Aluminum | Blk Anodized | TO-220          | 25.9                                    | 12.0        | 8.1         | 7.4         | 7.1         |

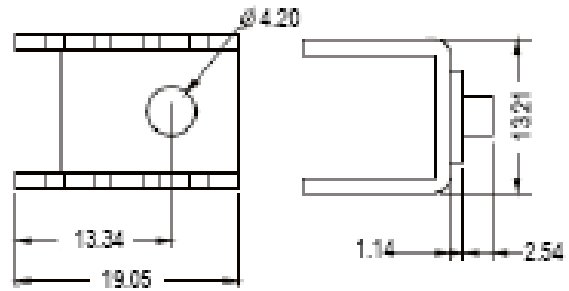
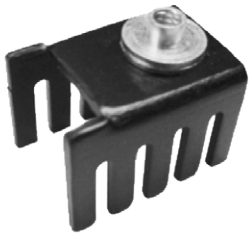
**ATS-PCB1013**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.         | 13.2       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 24.4                                    | 9.5         | 6.8         | 6.4         | 6.0         |

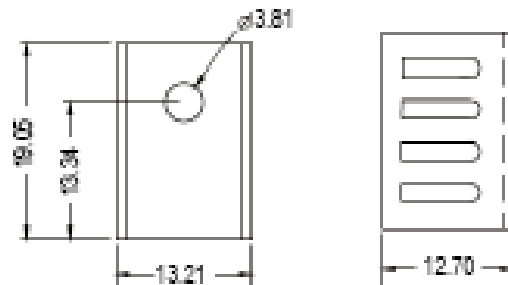
**ATS-PCB1014**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.         | 13.2       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 24.4                                    | 9.5         | 6.8         | 6.4         | 6.0         |

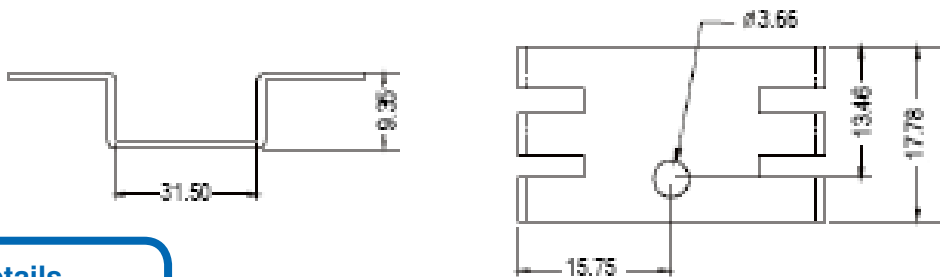
**ATS-PCB1015**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.         | 13.2       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 25.0                                    | 10.2        | 7.5         | 6.1         | 6.0         |

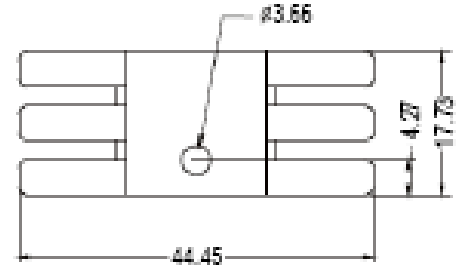
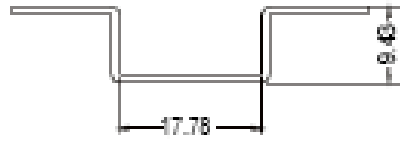
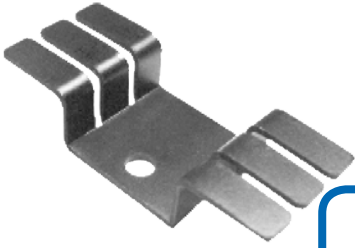
**ATS-PCB1016**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 17.8        | 31.5       | 9.4         | No TIM | Aluminum | Blk Anodized | TO-220          | 20.6                                    | 12.5        | 10.0        | 8.9         | 8.2         |

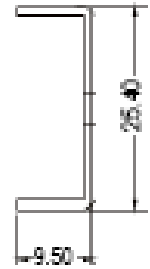
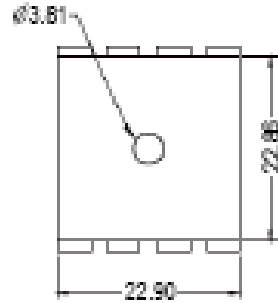
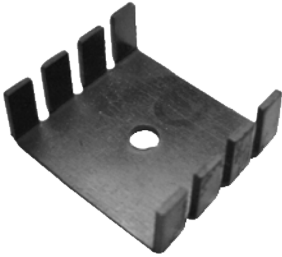
**ATS-PCB1017**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 17.7        | 44.5       | 9.4         | No TIM | Aluminum | Blk Anodized | TO-220, TO-202  | 15.6                                    | 7.1         | 5.5         | 4.2         | 3.2         |

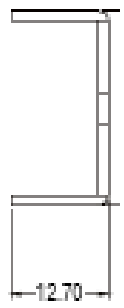
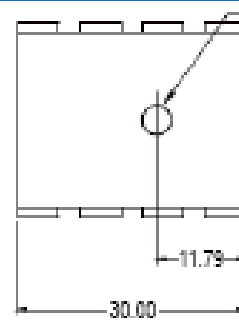
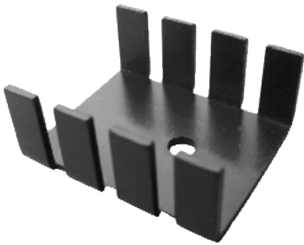
**ATS-PCB1018**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 22.9        | 25.4       | 9.5         | No TIM | Aluminum | Blk Anodized | TO-220          | 20.8                                    | 8.1         | 5.3         | 4.1         | 3.8         |

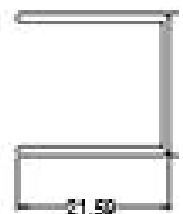
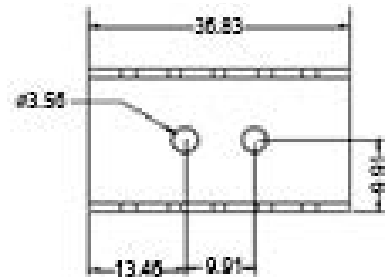
**ATS-PCB1019**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled        | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|------------------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220, TO-202, TO-220 | 22.0                                    | 10.1        | 7.0         | 5.0         | 4.2         |

**ATS-PCB1020**

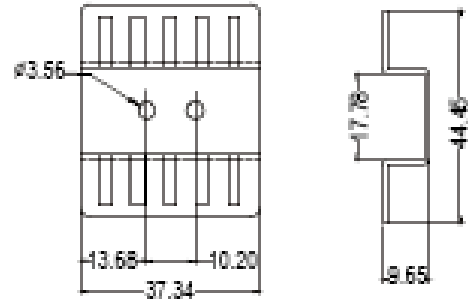
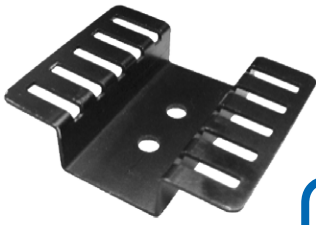


**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 36.8        | 19.8       | 21.6        | No TIM | Aluminum | Blk Anodized | TO-220          | 6.4                                     | 5.0         | 3.5         | 2.2         | 1.9         |



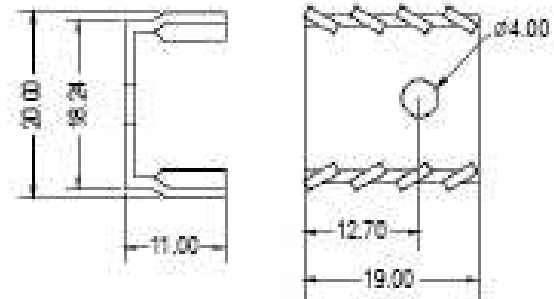
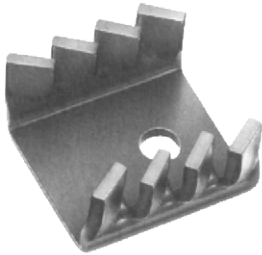
**ATS-PCB1021**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 37.3        | 44.5       | 9.7         | No TIM | Aluminum | Blk Anodized | TO-220          | 9.6                                     | 3.0         | 1.8         | 1.0         | 0.9         |

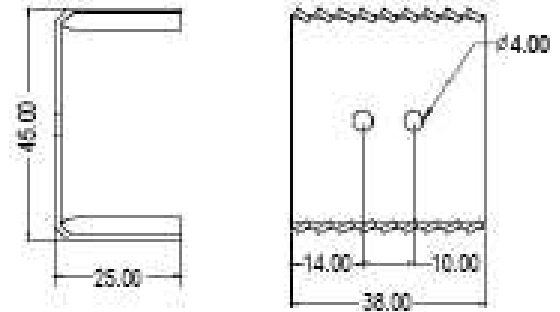
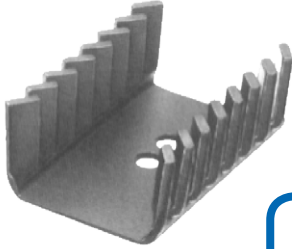
**ATS-PCB1022**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.0        | 20.0       | 11.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 30.0                                    | 20.0        | 14.0        | 11.0        | 9.0         |

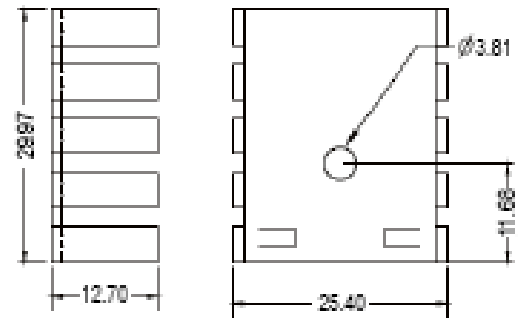
**ATS-PCB1023**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 38.0        | 45.0       | 25.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 7.2                                     | 4.8         | 3.7         | 3.0         | 2.8         |

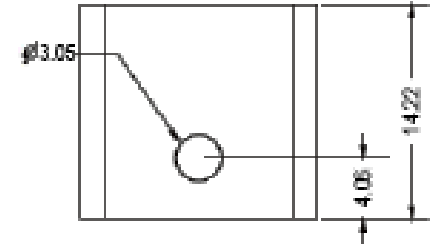
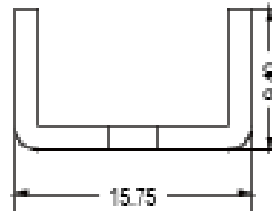
**ATS-PCB1024**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 16.7                                    | 11.0        | 7.8         | 6.0         | 5.1         |

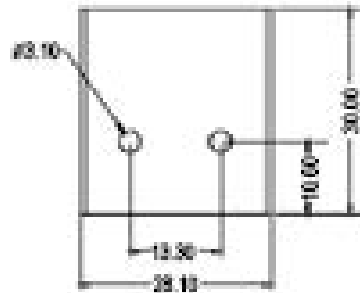
**ATS-PCB1025**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 14.2        | 15.8       | 9.4         | No TIM | Aluminum | Blk Anodized | TO-126          | 33.0                                    | 19.0        | 14.2        | 11.8        | 11.0        |

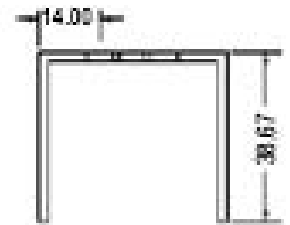
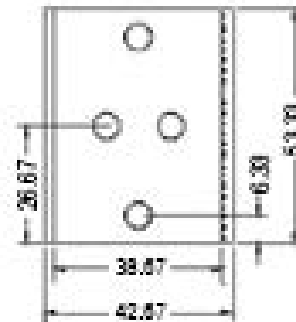
**ATS-PCB1026**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 28.1       | 23.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 13.0                                    | 7.1         | 4.4         | 4.0         | 3.9         |

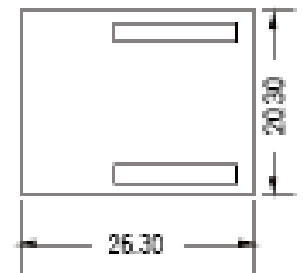
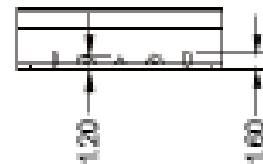
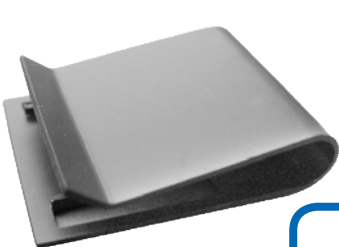
**ATS-PCB1027**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 53.3        | 42.7       | 38.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 10.0                                    | 6.0         | 4.0         | 3.5         | 2.6         |

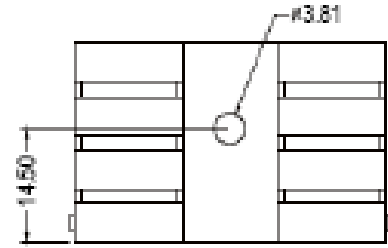
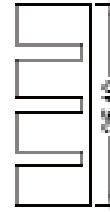
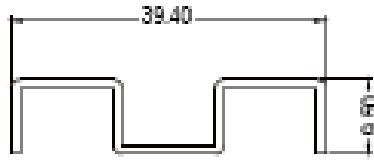
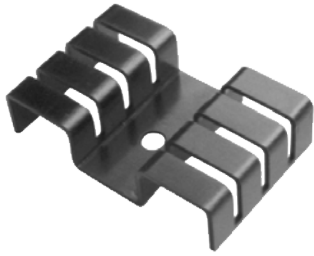
**ATS-PCB1028**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 26.3        | 20.3       | 6.1         | No TIM | Aluminum | Blk Anodized | TO-220          | 23.0                                    | 6.5         | 4.5         | 3.3         | 2.5         |

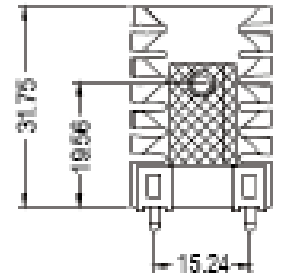
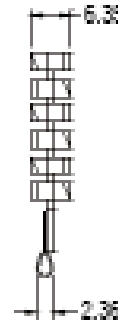
**ATS-PCB1029**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 25.4        | 39.4       | 9.5         | No TIM | Aluminum | Blk Anodized | TO-220          | 11.0                                    | 6.8         | 5.0         | 3.7         | 3.0         |

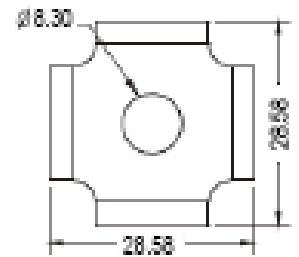
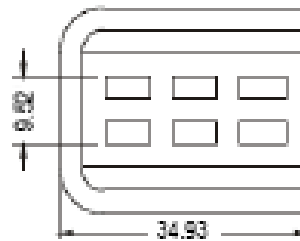
**ATS-PCB1030**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 31.8        | 22.2       | 6.4         | No TIM | Aluminum | Blk Anodized | TO-220          | 22.0                                    | 9.9         | 5.2         | 4.2         | 3.8         |

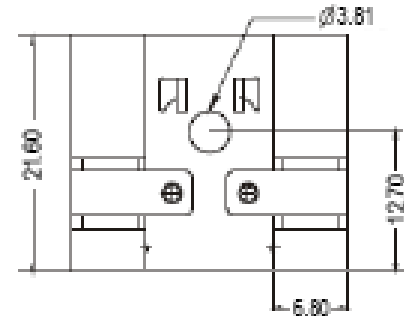
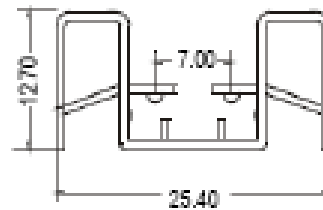
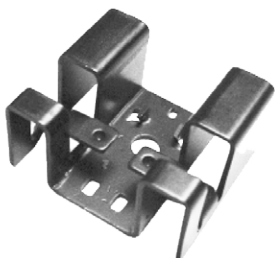
**ATS-PCB1031**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled  | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|------------------|---|-------------|-------------|-------------|-------------|
| 28.6        | 28.6       | 34.9        | No TIM | Aluminum | Blk Anodized | BRIDGE RECTIFIER | 9.0                                     | 4.8         | 3.4         | 2.3         | 1.9         |

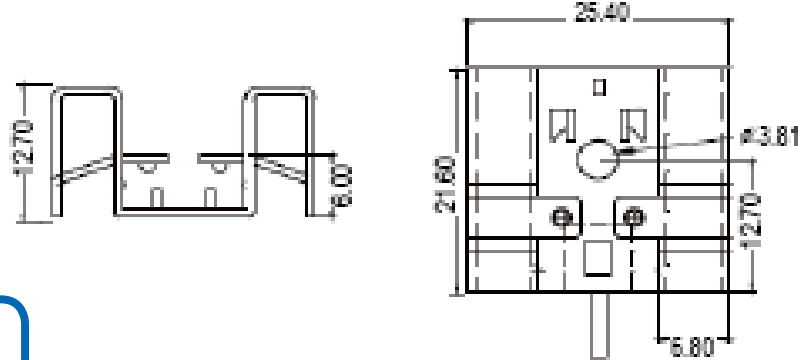
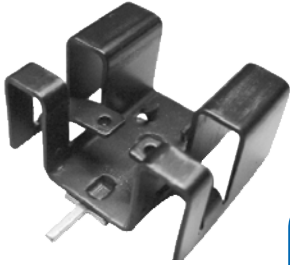
**ATS-PCB1032**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 21.6        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 20.0                                    | 9.0         | 6.8         | 5.3         | 4.0         |

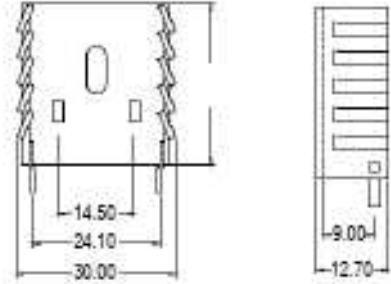
**ATS-PCB1033**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 21.6        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 20.0                                    | 9.0         | 6.8         | 5.3         | 4.0         |

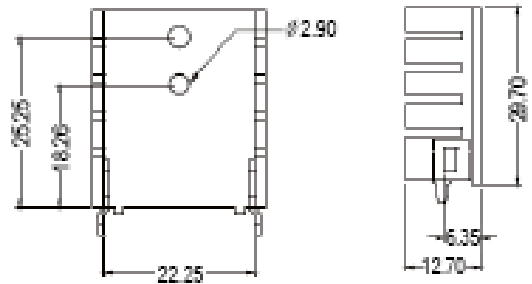
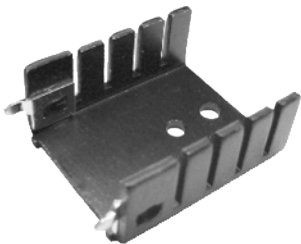
**ATS-PCB1034**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.2        | 30.0       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 13.0                                    | 8.9         | 6.5         | 5.2         | 4.2         |

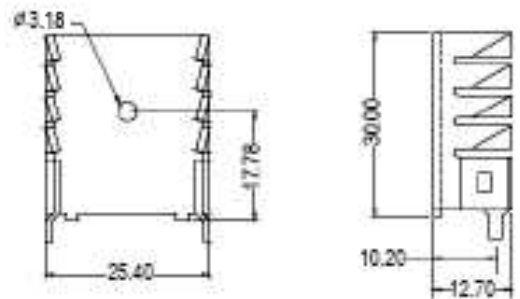
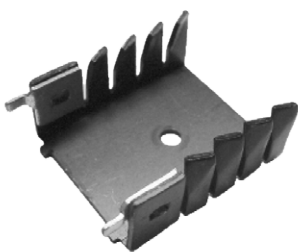
**ATS-PCB1035**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 12.5                                    | 7.3         | 5.6         | 4.7         | 4.2         |

**ATS-PCB1036**

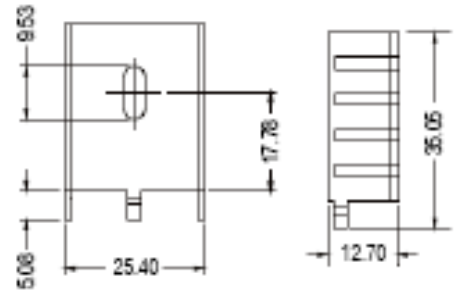
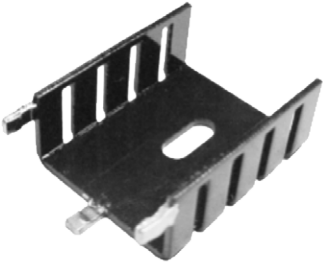


**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 13.4                                    | 7.0         | 5.0         | 4.0         | 3.7         |



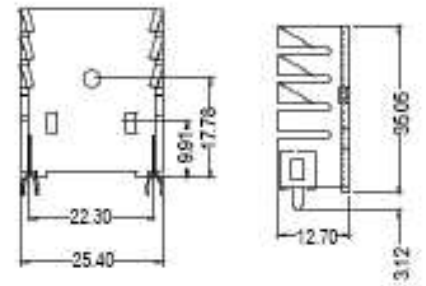
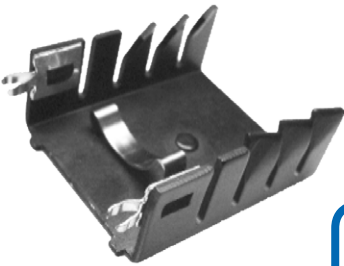
**ATS-PCB1037**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 35.1        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 18.0                                    | 13.0        | 9.1         | 7.5         | 6.6         |

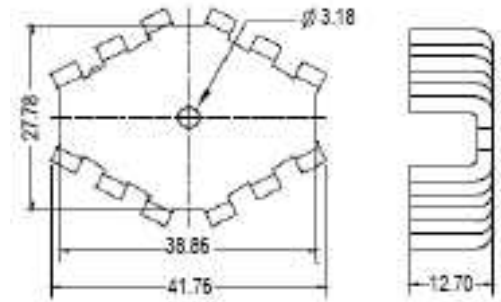
**ATS-PCB1038**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 13.4                                    | 7.0         | 5.1         | 4.0         | 2.2         |

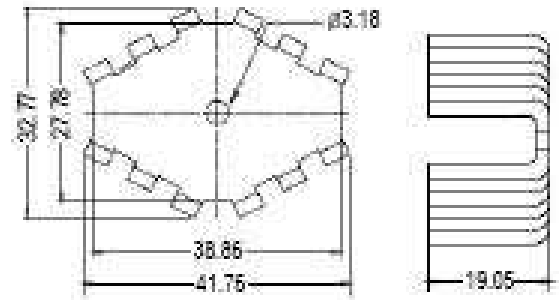
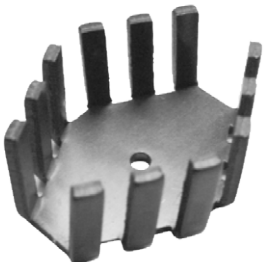
**ATS-PCB1039**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 41.8        | 32.8       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 15.6                                    | 5.6         | 3.6         | 3.0         | 2.9         |

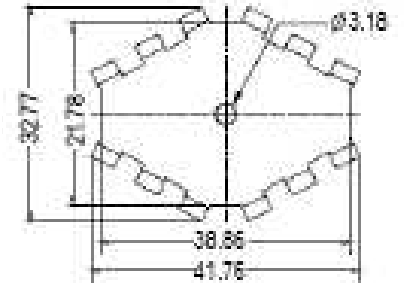
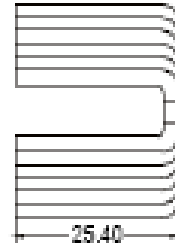
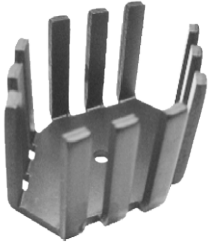
**ATS-PCB1040**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 41.8        | 32.8       | 19.1        | No TIM | Aluminum | Blk Anodized | TO-220          | 13.4                                    | 3.9         | 2.8         | 2.6         | 2.3         |

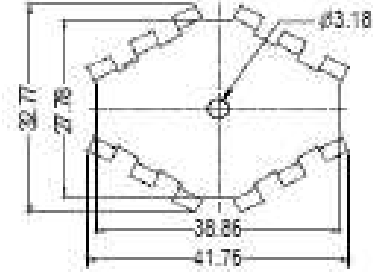
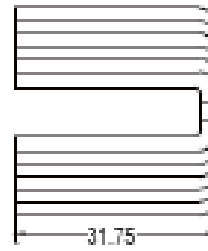
**ATS-PCB1041**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 41.8        | 32.8       | 25.4        | No TIM | Aluminum | Blk Anodized | TO-220          | 11.0                                    | 3.8         | 2.5         | 2.1         | 2.0         |

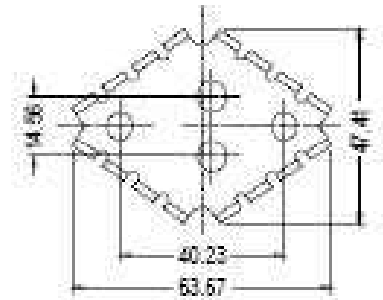
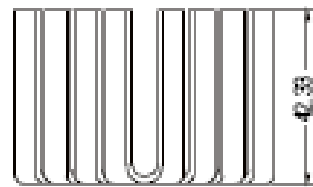
**ATS-PCB1042**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 41.8        | 32.8       | 31.8        | No TIM | Aluminum | Blk Anodized | TO-220          | 9.8                                     | 3.5         | 2.3         | 2.1         | 2.0         |

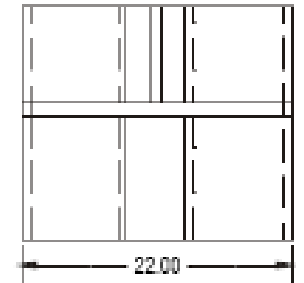
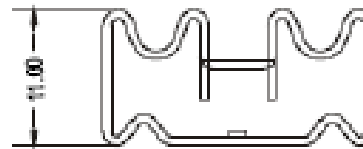
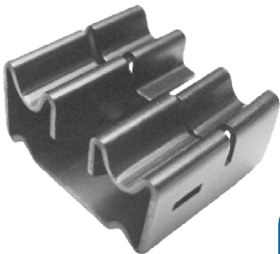
**ATS-PCB1043**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 63.7        | 47.4       | 42.3        | No TIM | Aluminum | Blk Anodized | TO-3            | 7.5                                     | 2.6         | 2.1         | 1.7         | 1.3         |

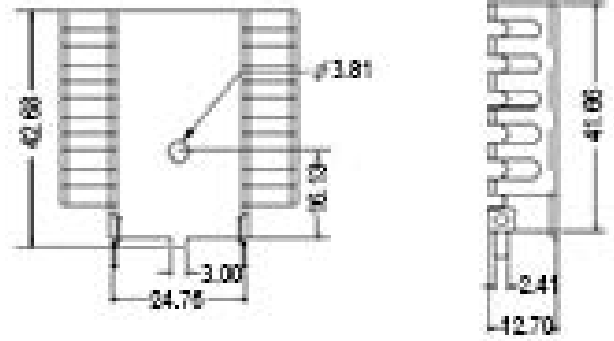
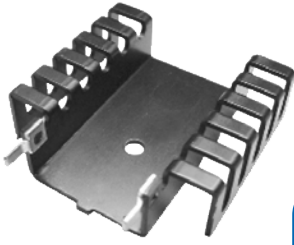
**ATS-PCB1044**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.0        | 22.0       | 11.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 23.7                                    | 11.2        | 8.3         | 6.0         | 5.0         |

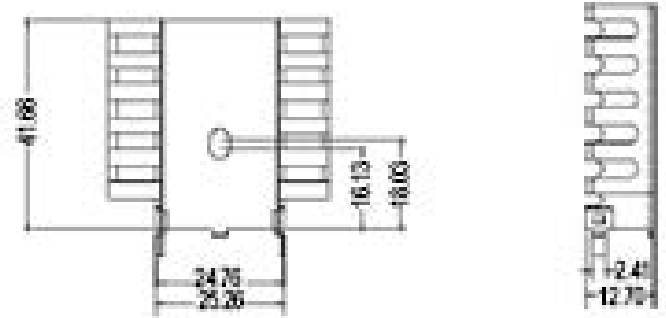
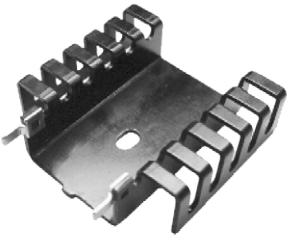
**ATS-PCB1045**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled      | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|----------------------|---|-------------|-------------|-------------|-------------|
| 41.7        | 43.2       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220,TO-218,TO-247 | 8.6                                     | 6.3         | 4.5         | 3.5         | 2.8         |

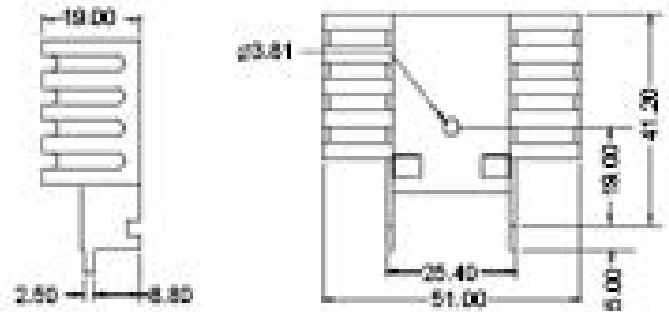
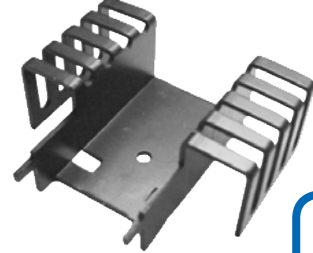
**ATS-PCB1046**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 41.2        | 43.2       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220, TO-218  | 8.6                                     | 6.3         | 4.5         | 3.5         | 2.8         |

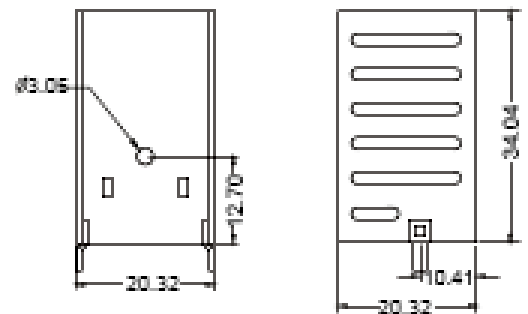
**ATS-PCB1047**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 46.2        | 51.0       | 19.0        | No TIM | Aluminum | Blk Anodized | TO-218, TO-247  | 8.0                                     | 2.4         | 1.8         | 1.2         | 1.0         |

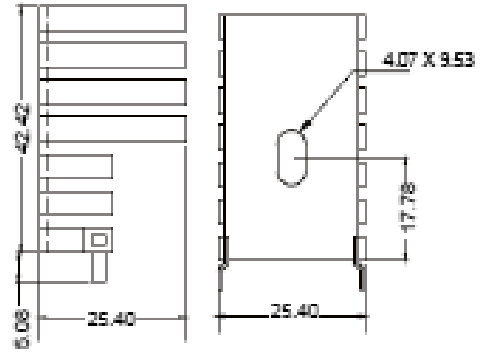
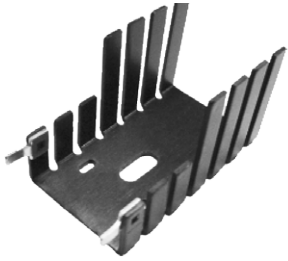
**ATS-PCB1048**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 34.0        | 20.3       | 20.3        | No TIM | Aluminum | Blk Anodized | TO-220          | 13.0                                    | 8.0         | 6.5         | 5.4         | 4.9         |

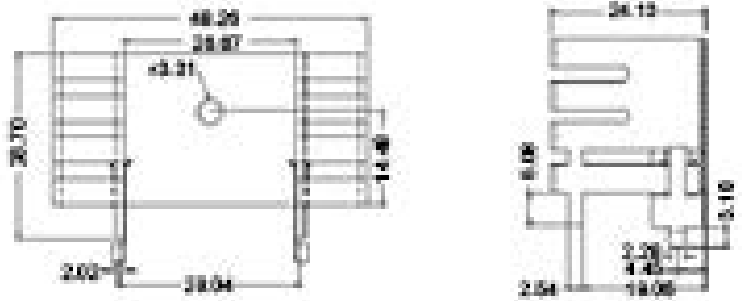
**ATS-PCB1049**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 42.4        | 25.4       | 25.4        | No TIM | Aluminum | Blk Anodized | TO-220          | 10.0                                    | 4.4         | 3.6         | 3.0         | 2.8         |

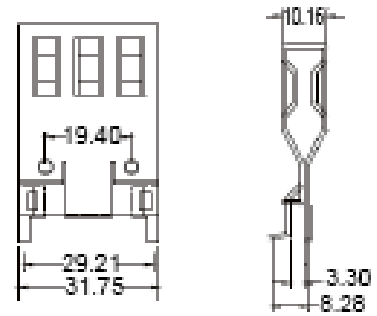
**ATS-PCB1050**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 28.7        | 48.3       | 24.1        | No TIM | Aluminum | Blk Anodized | TO-220          | 6.8                                     | 4.9         | 3.5         | 2.5         | 2.2         |

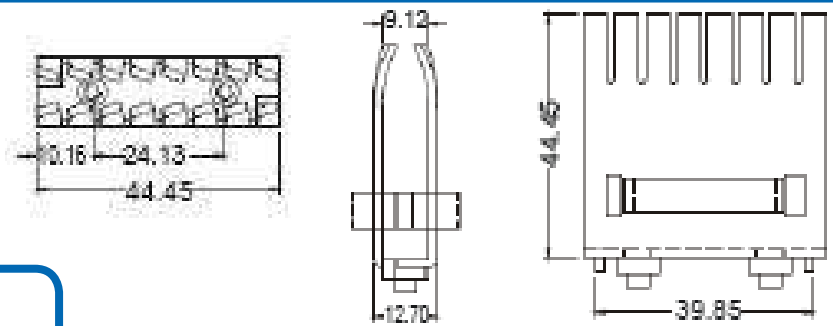
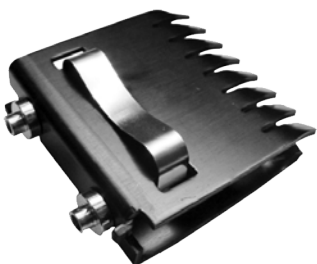
**ATS-PCB1051**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 43.2        | 31.8       | 10.2        | No TIM | Aluminum | Blk Anodized | 12-SIP          | 10.0                                    | 4.5         | 3.1         | 2.3         | 1.6         |

**ATS-PCB1052**

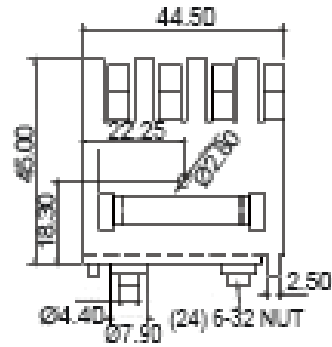
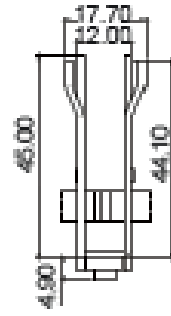
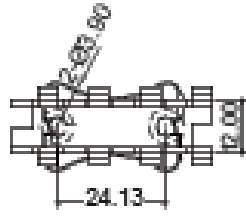
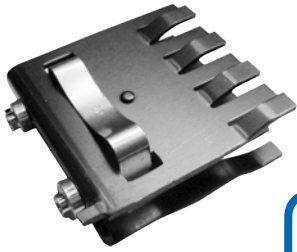


**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled        | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|------------------------|---|-------------|-------------|-------------|-------------|
| 44.5        | 12.7       | 44.5        | No TIM | Aluminum | Blk Anodized | TO-220, TO-218, TO-247 | 6.3                                     | 2.3         | 1.5         | 1.1         | 0.8         |



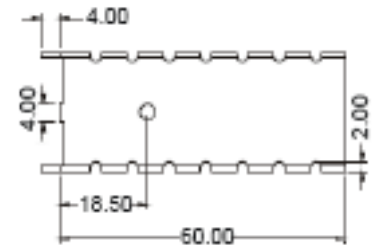
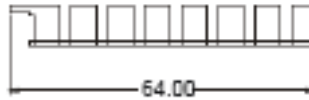
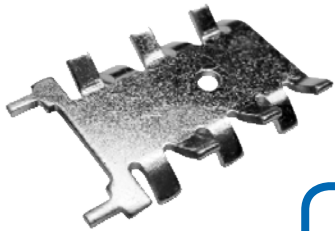
**ATS-PCB1053**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 44.5        | 17.7       | 45.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 6.3                                     | 2.7         | 2.0         | 1.5         | 1.1         |

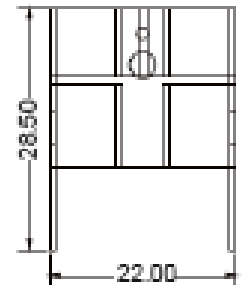
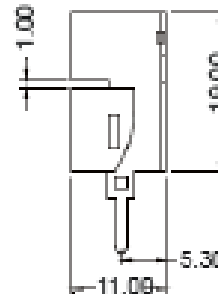
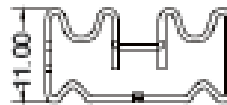
**ATS-PCB1054**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 60.0        | 25.0       | 8.5         | No TIM | Aluminum | Blk Anodized | TO-220          | 12.0                                    | 6.7         | 5.7         | 5.2         | 4.8         |

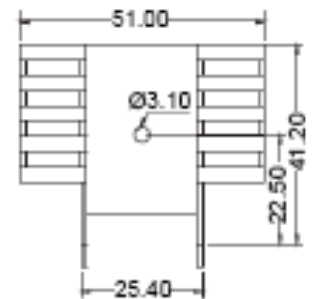
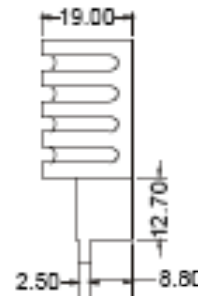
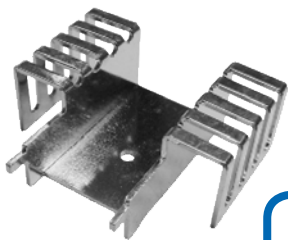
**ATS-PCB1055**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.0        | 22.0       | 11.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 23.7                                    | 11.2        | 8.3         | 6.0         | 5.0         |

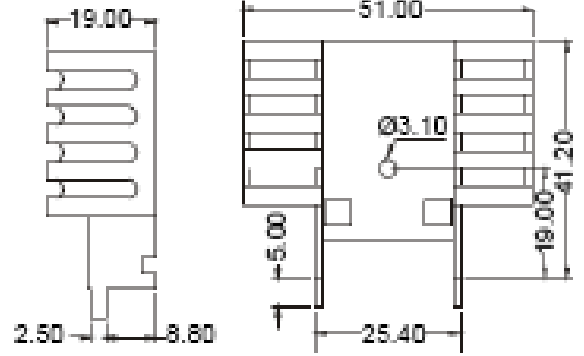
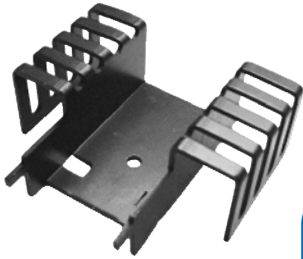
**ATS-PCB1056**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 41.2        | 51.0       | 19.0        | No TIM | Aluminum | Blk Anodized | TO-218, TO-247  | 8.0                                     | 2.4         | 1.8         | 1.2         | 1.0         |

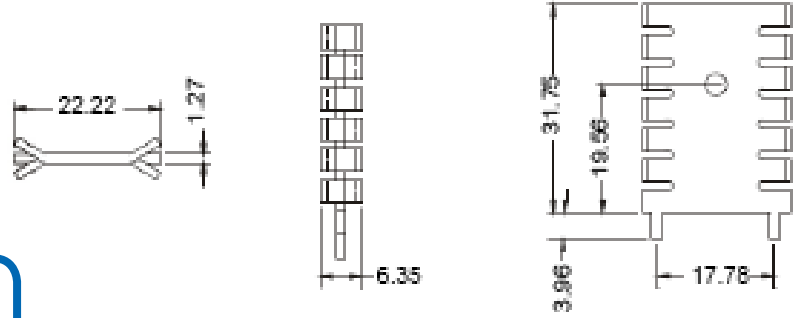
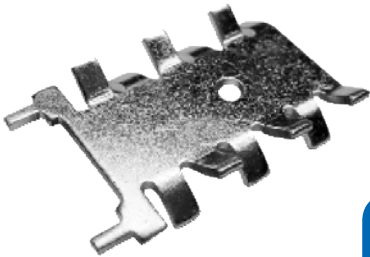
**ATS-PCB1057**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 41.2        | 51.0       | 19.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 8.0                                     | 2.4         | 1.8         | 1.2         | 1.0         |

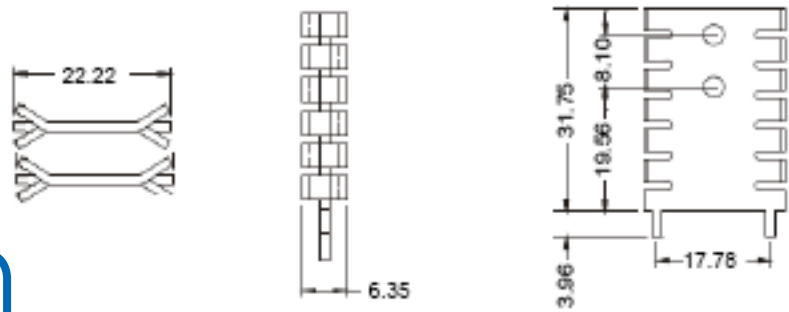
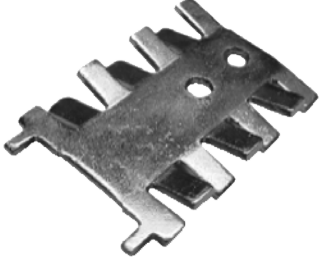
**ATS-PCB1058**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish     | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|------------|-----------------|---|-------------|-------------|-------------|-------------|
| 31.8        | 22.2       | 6.4         | No TIM | Copper   | Tin Plated | TO-220          | 24.0                                    | 8.8         | 6.1         | 4.1         | 4.0         |

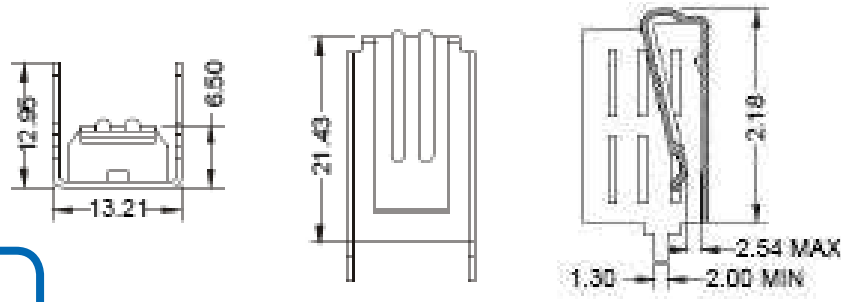
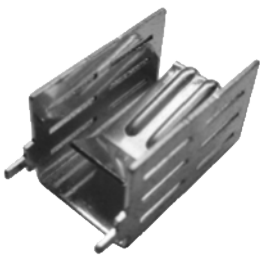
**ATS-PCB1059**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish     | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|------------|-----------------|---|-------------|-------------|-------------|-------------|
| 31.8        | 22.2       | 6.4         | No TIM | Copper   | Tin Plated | TO-220          | 24.0                                    | 8.8         | 6.1         | 4.1         | 4.0         |

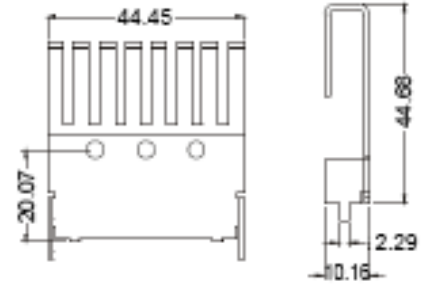
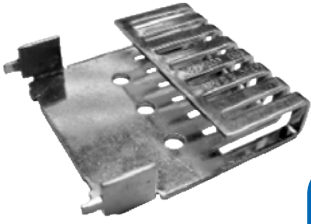
**ATS-PCB1060**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish     | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|------------|-----------------|---|-------------|-------------|-------------|-------------|
| 21.8        | 13.2       | 13.0        | No TIM | Copper   | Tin Plated | TO-220          | 19.7                                    | 8.0         | 6.8         | 5.7         | 5.0         |

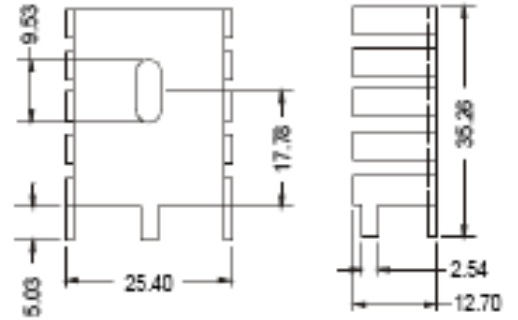
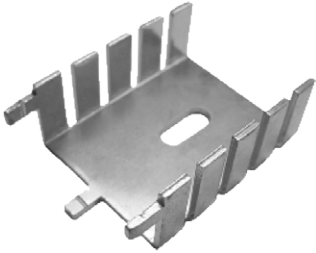
**ATS-PCB1061**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish     | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|------------|-----------------|---|-------------|-------------|-------------|-------------|
| 44.7        | 44.5       | 10.2        | No TIM | Copper   | Tin Plated | TO-126          | 15.0                                    | 6.5         | 5.1         | 4.3         | 3.6         |

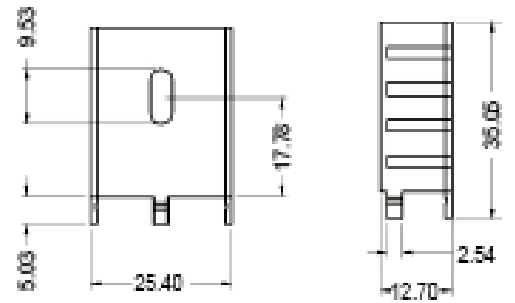
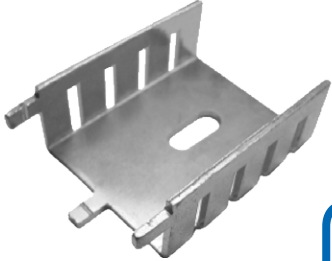
**ATS-PCB1062**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish     | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 25.4       | 12.7        | No TIM | Copper   | Tin Plated | TO-220          | 13.0                                    | 7.0         | 5.0         | 4.0         | 3.1         |

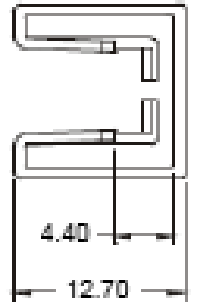
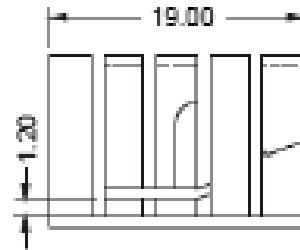
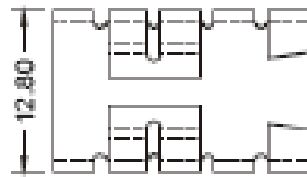
**ATS-PCB1063**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish     | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 25.4       | 12.7        | No TIM | Copper   | Tin Plated | TO-220          | 18.0                                    | 13.0        | 9.1         | 7.5         | 6.8         |

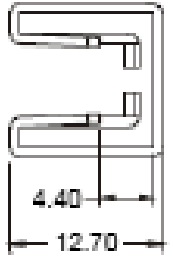
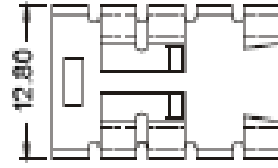
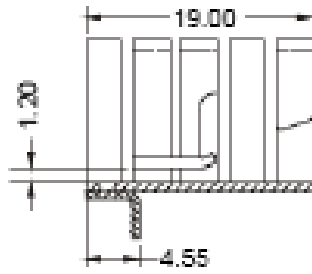
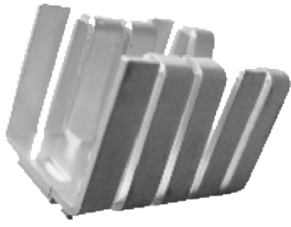
**ATS-PCB1064**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.0        | 12.8       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 27.3                                    | 10.2        | 7.0         | 5.6         | 4.8         |

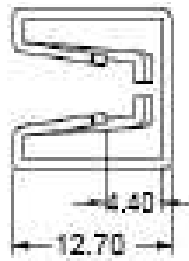
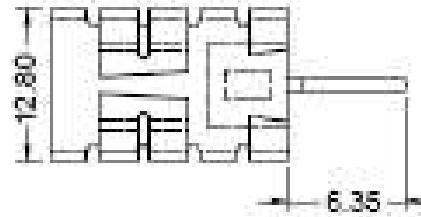
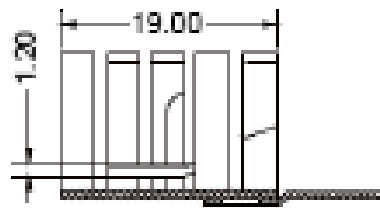
**ATS-PCB1065**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.0        | 12.8       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 27.3                                    | 10.2        | 7.0         | 5.6         | 4.8         |

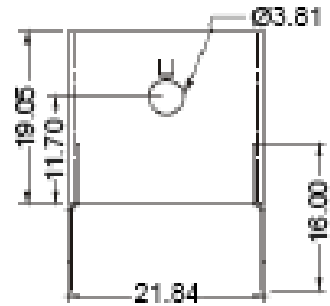
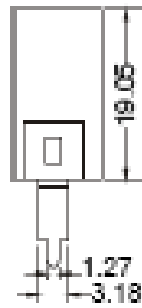
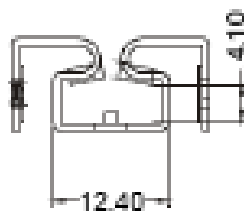
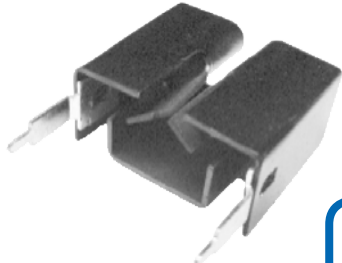
**ATS-PCB1066**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.0        | 12.8       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220, TO-262  | 27.3                                    | 10.2        | 7.0         | 5.6         | 4.8         |

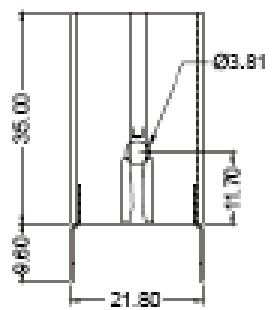
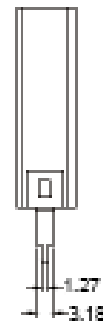
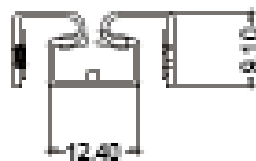
**ATS-PCB1067**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.1        | 21.8       | 9.9         | No TIM | Aluminum | Blk Anodized | TO-220          | 21.2                                    | 10.5        | 8.0         | 5.9         | 4.8         |

**ATS-PCB1068**

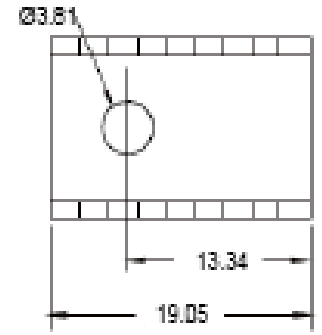
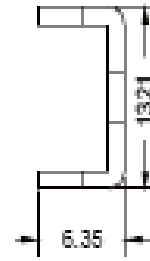
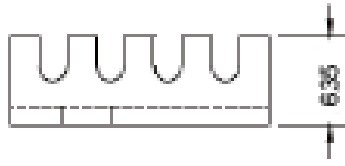


**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 34.9        | 21.8       | 9.1         | No TIM | Aluminum | Blk Anodized | TO-220          | 16.0                                    | 11.0        | 8.1         | 6.0         | 4.8         |



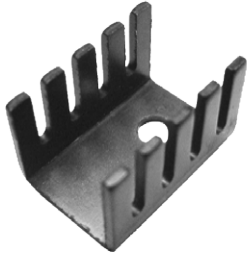
**ATS-PCB1069**



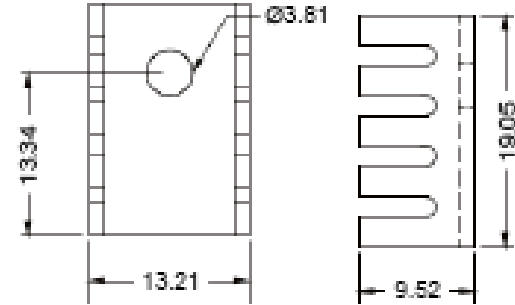
**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.1        | 13.2       | 6.4         | No TIM | Aluminum | Blk Anodized | TO-220          | 32.0                                    | 15.8        | 11.2        | 9.2         | 7.8         |

**ATS-PCB1070**



**Product Details**

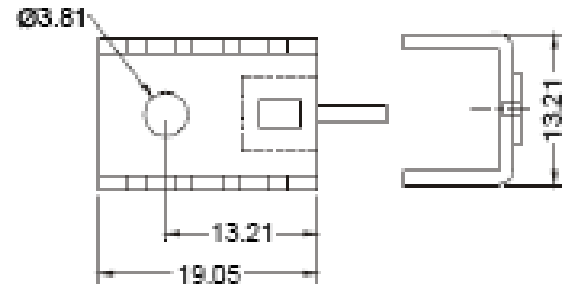
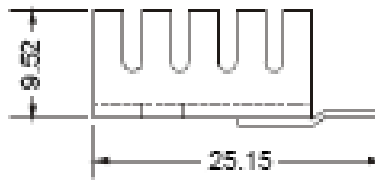


| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.1        | 13.2       | 9.5         | No TIM | Aluminum | Blk Anodized | TO-220          | 25.9                                    | 15.8        | 11.2        | 9.2         | 7.8         |

**ATS-PCB1071**

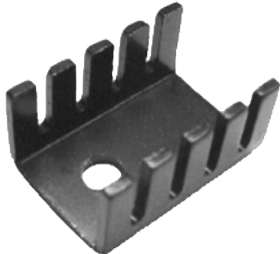


**Product Details**

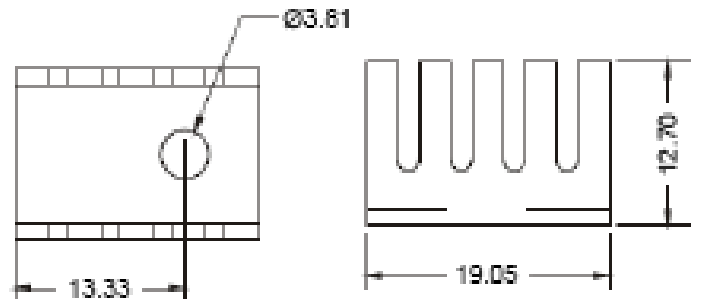
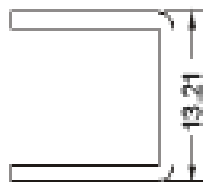


| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.1        | 13.2       | 9.5         | No TIM | Aluminum | Blk Anodized | TO-220          | 25.9                                    | 15.6        | 11.0        | 9.0         | 7.6         |

**ATS-PCB1072**

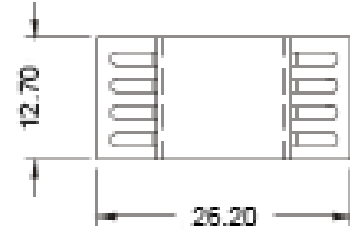
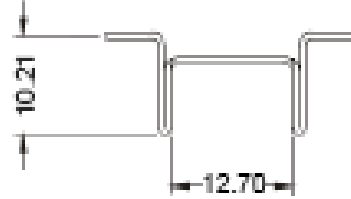
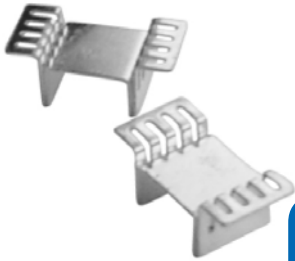


**Product Details**



| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.1        | 13.2       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 24.4                                    | 9.5         | 7.0         | 6.3         | 6.0         |

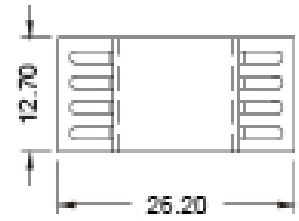
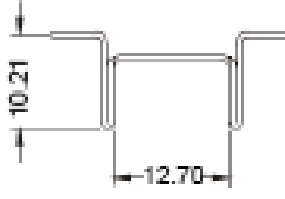
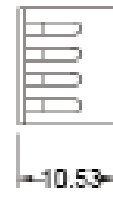
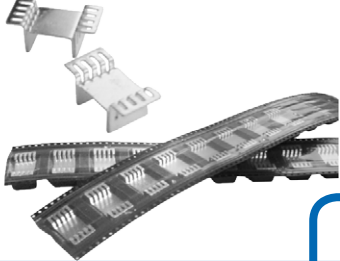
**ATS-PCB1073**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish     | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|------------|-----------------|---|-------------|-------------|-------------|-------------|
| 12.7        | 26.2       | 10.2        | No TIM | Copper   | Tin Plated | TO-263          | 18.0                                    | 9.5         | 6.8         | 5.2         | 5.0         |

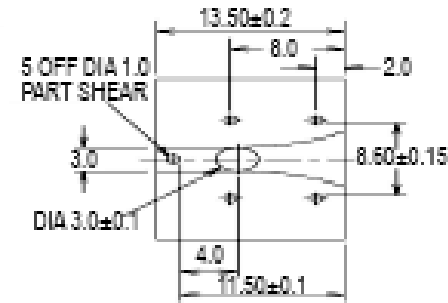
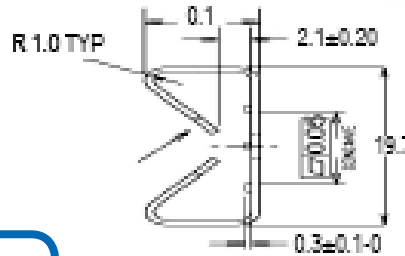
**ATS-PCB1074**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish     | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|------------|-----------------|---|-------------|-------------|-------------|-------------|
| 12.7        | 26.2       | 10.2        | No TIM | Copper   | Tin Plated | TO-263          | 18.0                                    | 9.5         | 6.8         | 5.2         | 5.0         |

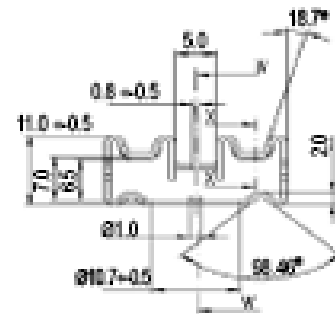
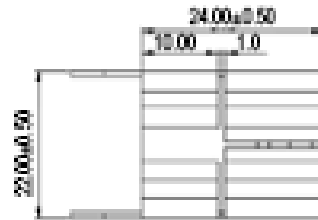
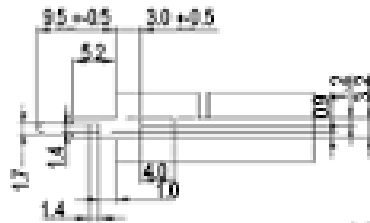
**ATS-PCB1075**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 13.2        | 19.7       | 8.1         | No TIM | Aluminum | Blk Anodized | TO-126          | 35.8                                    | 25.0        | 17.0        | 14.0        | 12.0        |

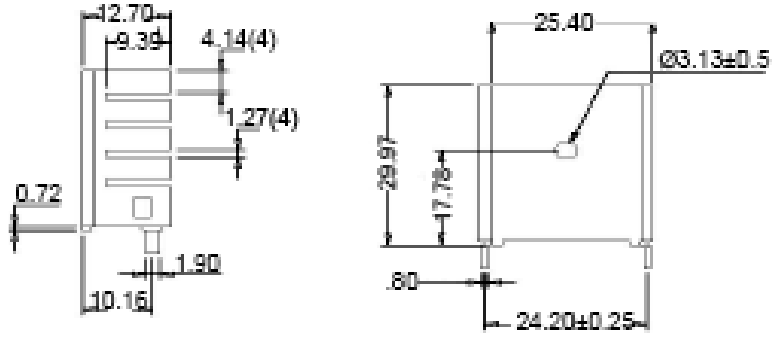
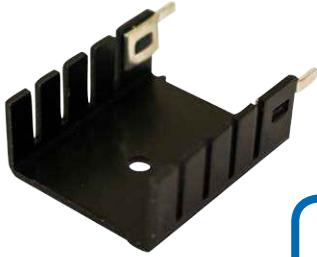
**ATS-PCB1076**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 24.0        | 22.0       | 11.0        | No TIM | Aluminum | Blk Anodized | TO-220          | 17.3                                    | 15.0        | 10.5        | 9.8         | 9.4         |

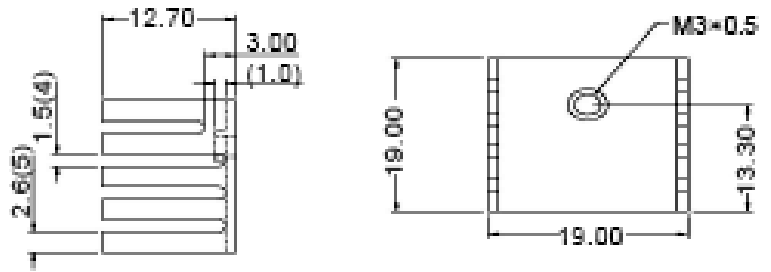
ATS-PCB1077



Product Details

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 12.5                                    | 7.3         | 5.3         | 4.8         | 4.1         |

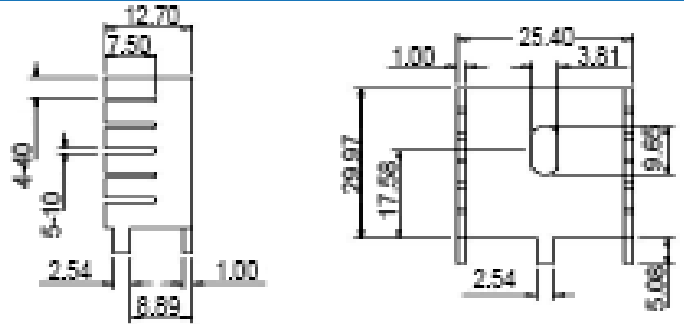
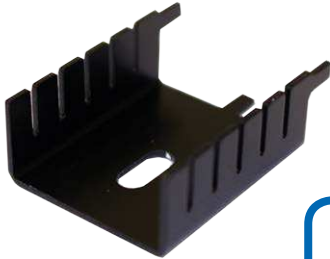
ATS-PCB1078



Product Details

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 19.0        | 19.0       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 22.0                                    | 8.9         | 5.9         | 4.2         | 4.0         |

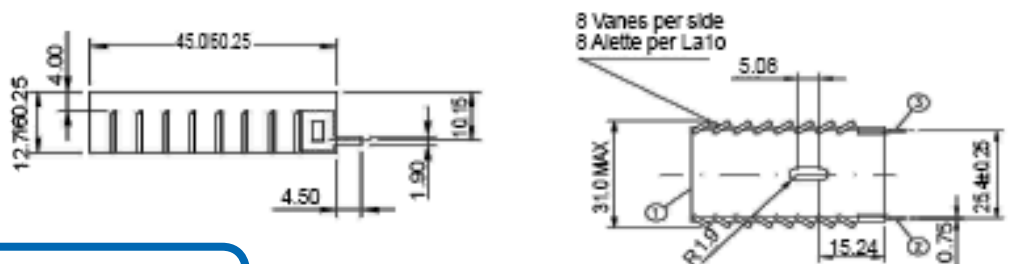
ATS-PCB1079



Product Details

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 25.4       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-220          | 13.0                                    | 7.1         | 4.8         | 3.9         | 3.4         |

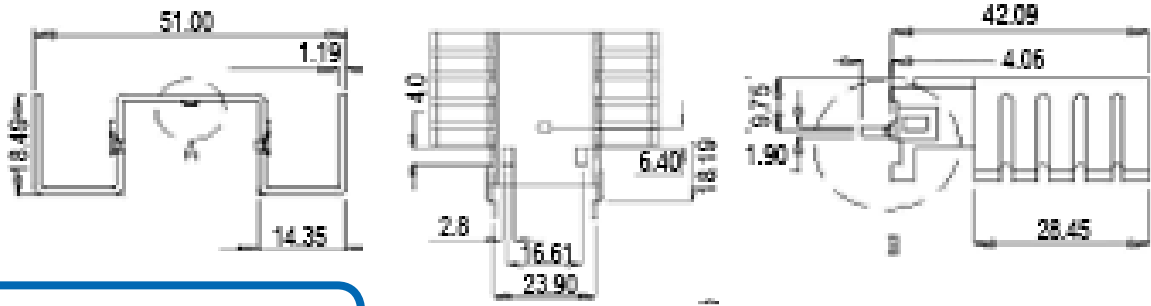
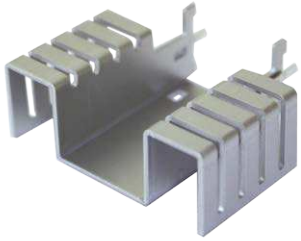
ATS-PCB1080



Product Details

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 45.0        | 31.0       | 12.7        | No TIM | Aluminum | Blk Anodized | TO-218, TO-220  | 13.0                                    | 9.0         | 7.0         | 7.0         | 7.0         |

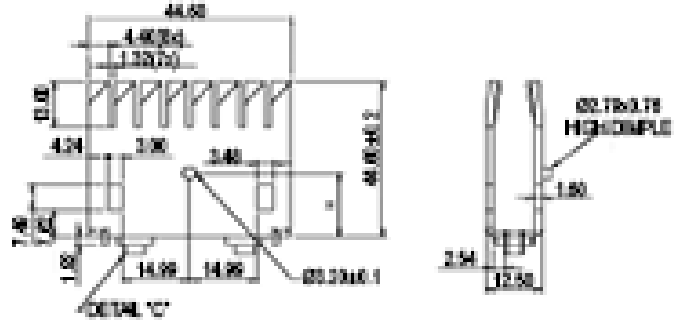
**ATS-PCB1081**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 42.1        | 51.0       | 18.5        | No TIM | Aluminum | Blk Anodized | TO-220          | 6.7                                     | 1.8         | 1.2         | 0.8         | 0.6         |

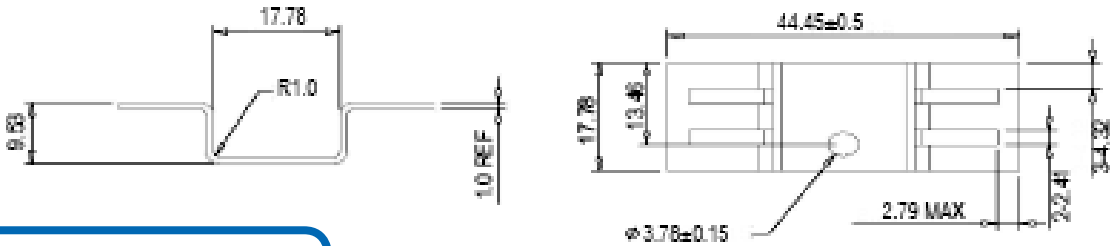
**ATS-PCB1082**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 44.6        | 12.5       | 44.6        | No TIM | Aluminum | Blk Anodized | TO-218          | 6.3                                     | 2.1         | 1.3         | 0.9         | 0.7         |

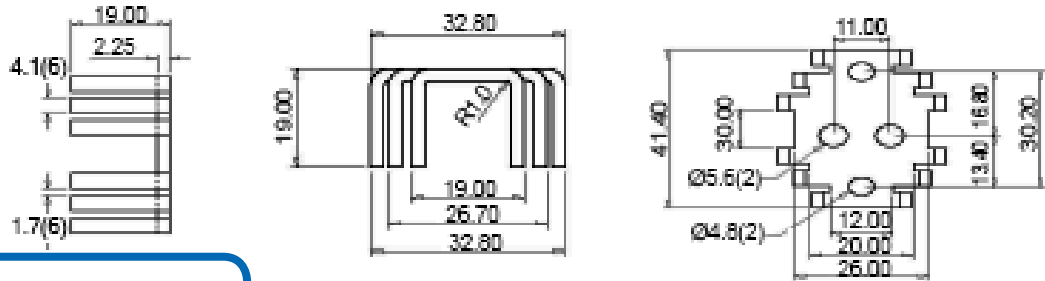
**ATS-PCB1083**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 17.8        | 44.5       | 9.5         | No TIM | Aluminum | Blk Anodized | TO-220          | 17.0                                    | 6.6         | 4.9         | 3.5         | 3.0         |

**ATS-PCB1084**



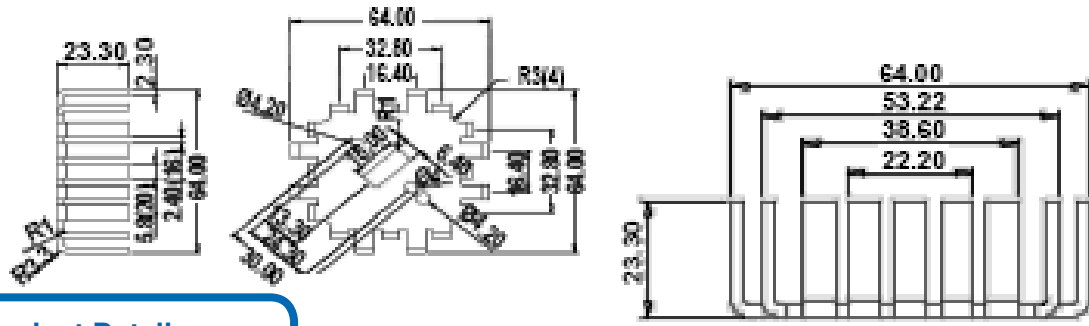
**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 41.4        | 32.8       | 19.0        | No TIM | Aluminum | Blk Anodized | TO-3            | 13.5                                    | 4.4         | 3.1         | 2.1         | 1.5         |





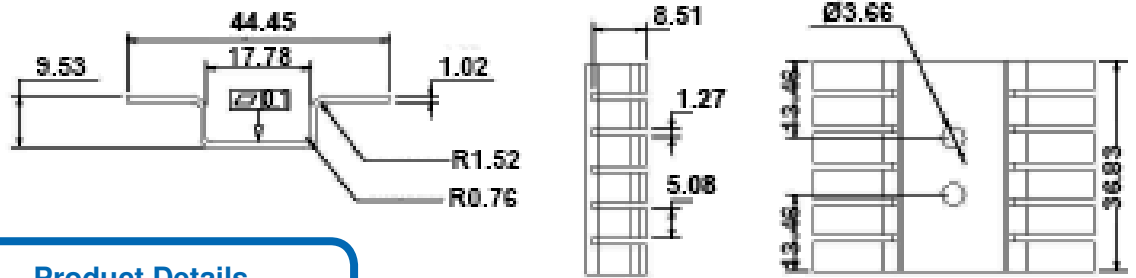
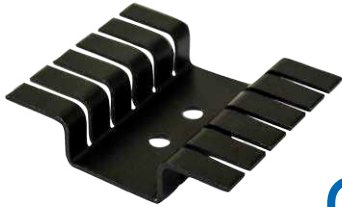
**ATS-PCB1089**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 64.0        | 64.0       | 23.3        | No TIM | Aluminum | Blk Anodized | TO-3            | 6.0                                     | 2.6         | 1.8         | 1.4         | 1.3         |

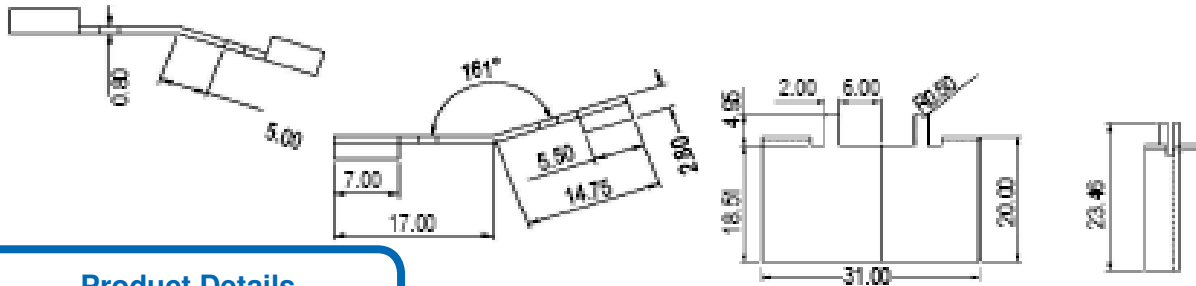
**ATS-PCB1090**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish       | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------------|-----------------|---|-------------|-------------|-------------|-------------|
| 36.8        | 44.5       | 9.5         | No TIM | Aluminum | Blk Anodized | TO-220 (DUAL)   | 9.6                                     | 3.0         | 1.7         | 1.0         | 0.9         |

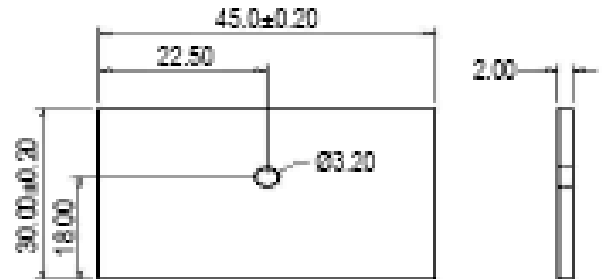
**ATS-PCB1091**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish     | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|------------|-----------------|---|-------------|-------------|-------------|-------------|
| 20.0        | 31.0       | 0.8         | No TIM | Steel    | Tin Plated | TO-220          | 25.0                                    | 13.0        | 11.2        | 10.3        | 9.5         |

**ATS-PCB1092**



**Product Details**

| Length (mm) | Width (mm) | Height (mm) | Tim    | Material | Finish | Packaged Cooled | Thermal Resistance (Natural Convection) | R @ 200 LFM | R @ 400 LFM | R @ 600 LFM | R @ 800 LFM |
|-------------|------------|-------------|--------|----------|--------|-----------------|---|-------------|-------------|-------------|-------------|
| 30.0        | 45.0       | 2.0         | No TIM | Aluminum | None   | TO-220          | 23.0                                    | 11.0        | 9.2         | 8.3         | 7.5         |