



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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4.70" (120mm) Size



3.15" (80mm) Size

Fans (Tubeaxial)

- Choice of 4.70" (120mm) or 3.15" (80mm)
- 1.50" deep
- Choice of either 115 or 230 VAC, 50/60 Hz.
- Impedance protected motor
- Class-B insulated
- Ball bearing construction, metal blades
- Diecast aluminum body
- Rotation is counter clockwise (looking at the rotor - as pictured)
- Airflow is over the struts (out the back as pictured)
- 4.70" (120 mm) fans have male plug terminations (requires fan cords below)
- 3.15" (80 mm) fans have 11" long lead wires
- UL recognized, CSA listed, CE certified
- With mounting hardware

115 VAC Fans (50/60 Hz.)

| Part Number | Size | | CFM | Wattage | | Speed (RPM) | Noise | PDF Reader File | AutoCAD .dwg file (zipped) | 3D Solid Model .stp & .iges files (zipped) | Use With Fan Guard Part Number (see below) | Use With Filter Grill Part Number (see below) |
|---------------------|--------|-----|-----|---------|------|-------------|-------|-----------------|----------------------------|--|--|---|
| | Inches | mm | | 50Hz | 60Hz | | | | | | | |
| FAN80AC115 | 3.15 | 80 | 32 | 11 | 10 | 3100 | 34dB | 205K | 128K | 218K | FAN80FG | XPFA80... |
| DNMF100AC115 | 4.70 | 120 | 105 | 24 | 22 | 3000 | 50dB | 205K | 119K | 203K | DNFG | XPFA120... |

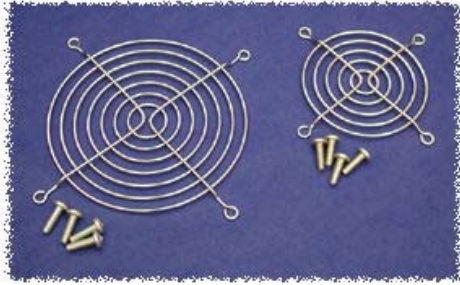
Note: Above ratings are in free air...

230 VAC Fans (50/60 Hz.)

| Part Number | Size | | CFM | Wattage | | Speed (RPM) | Noise | PDF Reader File | AutoCAD .dwg file (zipped) | 3D Solid Model .stp & .iges files (zipped) | Use With Fan Guard Part Number (see below) | Use With Filter Grill Part Number (see below) |
|---------------------|--------|-----|-----|---------|------|-------------|-------|-----------------|----------------------------|--|--|---|
| | Inches | mm | | 50Hz | 60Hz | | | | | | | |
| FAN80AC230 | 3.15 | 80 | 32 | 11 | 10 | 3100 | 34dB | 204K | 128K | 218K | FAN80FG | XPFA80... |
| DNMF100AC230 | 4.70 | 120 | 105 | 24 | 22 | 3000 | 50dB | 206K | 119K | 203K | DNFG | XPFA120... |

Note: Above ratings are in free air...

Metal Fan Guards (with mounting hardware)



| Part Number | Size | | PDF Reader File | AutoCAD .dwg file (zipped) | 3D Solid Model .stp & .iges files (zipped) |
|----------------|--------|-----|-----------------|----------------------------|--|
| | Inches | mm | | | |
| FAN80FG | 3.15 | 80 | 348K | 145K | 79K |
| DNFG | 4.70 | 120 | 493K | 150K | 75K |



Fan Cords

- For 115 VAC wiring of tubeaxial fans (above)
- Molded female fan plug (0.91" x 0.68")
- See tables below for detailed descriptions

| Part Number | Description | Lead Length | Fan Connector | 115VAC Plug | PDF Reader File | AutoCAD .dwg file (zipped) | 3D Solid Model .stp & .iges files (zipped) |
|-----------------|-----------------|-------------|--|-------------|-----------------|----------------------------|--|
| DNMFC | Single Fan Cord | 24" | 45 degree | No | 78K | 111K | 65K |
| DNFC48P | Single Fan Cord | 48" | 90 degree | Yes | 188K | 123K | 165K |
| DNFC72P | Single Fan Cord | 72" | 90 degree | No | 183K | 111K | 65K |
| DNFCDC2P | Daisy Chain | 24" | Qty 2-45 degree, 12" apart | Yes | 134K | 127K | 196K |
| DNFCDC3P | Daisy Chain | 24" | Qty 2-45 degree, Qty 1-Straight, 12" apart | No | 126K | 125K | 101K |



click to enlarge
DNMFC



click to enlarge
DNFC48P



click to enlarge
DNFC72P



click to enlarge
DNFCDC2P



click to enlarge
DNFCDC3P



(Click to enlarge)

Shown left to right 4.7" and 3.15" models (black)



Assembly Instructions



(Click to enlarge)

4.7" model shown with fan installed (not included)

Filter Fan Grills

- Create your own filter fans or exhaust grills
- Mounts easily with 4 screws using template and hardware provided.
- Complete with flame retardant ABS plastic grill and flame retardant synthetic filter.
- Integral gasket on reverse side of grill, seals against mounting surface.
- Hole cutout is NOT critical as rear of filter grill seals to surface (see rear photo below)
- Can be used with standard 3.15" or 4.7" square fans (available below or use your own) or alone as an exhaust grill
- Molded in a choice of four colors to match our racks & accessories. "BK" (Black), "CG" (Gray/Beige - RAL7032), "GY" (ANSI 61 Gray) or "LG" (Light Gray - RAL7035).









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| Part Number | Color | Grill Size | | Template Reader File | Use With Square Fan Size |
|--|--|------------|-------|----------------------|--------------------------|
| | | H | W | | |
| XPFA80BK XPFA80CG XPFA80GY XPFA80LG | Black Beige ANSI 61 Gray Light Gray | 4.13" | 4.13" | 18K | 3.15" |
| XPFA120BK XPFA120CG XPFA120GY XPFA120LG | Black Beige ANSI 61 Gray Light Gray | 5.91" | 5.91" | 17K | 4.70" |

Photo Features:

| Part Number | Number of Fans | Fan Size | Fan CFM (Each Fan) | Cord Length | Filter Grill | Filter Grill Color | Fan Guard | PDF Reader File | AutoCAD .dwg file (zipped) | 3D Solid Model .stp & .iges files (zipped) |
|------------------------------|----------------|---------------|--------------------|---------------|--------------|--------------------|-----------|--|--|--|
| DNFF080BK115 | 1 | 3.15" (80 mm) | 32 | 11" leads | Yes | Black | Yes (1) | | | |
| DNFF080CG115 | 1 | 3.15" (80 mm) | 32 | 11" leads | Yes | Gray/Beige | Yes (1) |  250K |  352K |  757K |
| DNFF080GY115 | 1 | 3.15" (80 mm) | 32 | 11" leads | Yes | ANSI 61 Gray | Yes (1) | | | |
| DNFF080LG115 | 1 | 3.15" (80 mm) | 32 | 11" leads | Yes | Light Gray | Yes (1) | | | |
| DNFF120BK115 | 1 | 4.7" (120 mm) | 105 | 24" with plug | Yes | Black | Yes (1) | | | |
| DNFF120CG115 | 1 | 4.7" (120 mm) | 105 | 24" with plug | Yes | Gray/Beige | Yes (1) |  549K |  360K |  1,018K |
| DNFF120GY115 | 1 | 4.7" (120 mm) | 105 | 24" with plug | Yes | ANSI 61 Grey | Yes (1) | | | |
| DNFF120LG115 | 1 | 4.7" (120 mm) | 105 | 24" with plug | Yes | Light Gray | Yes (1) | | | |

230 VAC Fans (50/60 Hz.)

| Part Number | Kit Description | | | | | | | PDF Reader File | AutoCAD .dwg file (zipped) | 3D Solid Model .stp & .iges files (zipped) |
|------------------------------|-----------------|---------------|--------------------|-----------|--------------|--------------------|-----------|--|--|--|
| | Number of Fans | Fan Size | Fan CFM (Each Fan) | Cord | Filter Grill | Filter Grill Color | Fan Guard | | | |
| DNFF080BK230 | 1 | 3.15" (80 mm) | 32 | 11" leads | Yes | Black | Yes (1) |  250K |  353K |  757K |
| DNFF080CG230 | 1 | 3.15" (80 mm) | 32 | 11" leads | Yes | Gray/Beige | Yes (1) | | | |
| DNFF080GY230 | 1 | 3.15" (80 mm) | 32 | 11" leads | Yes | ANSI 61 Gray | Yes (1) | | | |
| DNFF080LG230 | 1 | 3.15" (80 mm) | 32 | 11" leads | Yes | Light Gray | Yes (1) | | | |
| DNFF120BK230 | 1 | 4.7" (120 mm) | 105 | 24" Cord | Yes | Black | Yes (1) |  549K |  360K |  1,018K |
| DNFF120CG230 | 1 | 4.7" (120 mm) | 105 | 24" Cord | Yes | Gray/Beige | Yes (1) | | | |
| DNFF120GY230 | 1 | 4.7" (120 mm) | 105 | 24" Cord | Yes | ANSI 61 Gray | Yes (1) | | | |
| DNFF120LG230 | 1 | 4.7" (120 mm) | 105 | 24" Cord | Yes | Light Gray | Yes (1) | | | |



(Click to enlarge)

Grill Fan Kits

- Easy to order kit - one part number (save time & cost)
- Kit includes: Fan (or fans), two metal grills per fan, cord and mounting hardware.

115 VAC Fans (50/60 Hz.)

| Part Number | Kit Description | | | | |
|-------------------|-----------------|---------------|--------------------|------------------------|-----------|
| | Number of Fans | Fan Size | Fan CFM (Each Fan) | 48" Fan Cord With Plug | Fan Guard |
| DNFK1AC120 | 1 | 4.7" (120 mm) | 105 | Yes | Yes (2) |
| DNFK2AC120 | 2 | 4.7" (120 mm) | 105 | Yes (For Two Fans) | Yes (4) |

Front View - Two Fan Model



(Click to enlarge)
Air flow is towards you...

Rear View - Two Fan Model



(Click to enlarge)
Air flow is away from you...

Front View - Three Fan Model



(Click to enlarge)
Air flow is towards you...

Rear View - Three Fan Model

Fan Panel Assembly

- Choice of two or three fan models - mounted on a standard width 19" rack panel - shipped assembled as shown.
- 3U (5.25") panel height
- Fans are standard (105 CFM) square fans (4.7") installed and wired (115VAC versions include a plug).
- Front of panel is punched for finger protection and the rear of the fans assembled with metal guards
- Perfect as an exhaust fan panel or when using "push-pull" cooling (ie..unit pulls air out of the rack cabinet)
- Rugged textured black powder paint finish
- Individual fans generate 45 dBA of sound. Our estimate (at 12") is 60 dba for the two fan models and 62 dBA for the three fan model.
- Requires panel mounting [hardware](#)
- Control your rack temperature with our [economical, compact thermostat](#)

| Part Number | Description (Shipped Assembled) | | | | | | | |
|-------------------|---------------------------------|----------------|---------------------|--------------------|------------|-----------------|----------------------------|--|
| | Fan Panel CFM | Number of Fans | Voltage (50/60 Hz.) | Fan CFM (Each Fan) | Fan Guards | PDF Reader File | AutoCAD .dwg file (zipped) | 3D Solid Model .stp & .iges files (zipped) |
| PPGPFPA | 210 | 2 | 115 VAC | 105 | Yes (4) | 343K | 341K | 782K |
| PPGPFPA230 | 210 | 2 | 230 VAC | 105 | Yes (4) | 332K | 324K | 691K |
| FP3F115 | 315 | 3 | 115 VAC | 105 | Yes (6) | 227K | 468K | - |

Note: Front fan guards are punched into panel - rear fan guards are our standard metal fan guards.



(Click to enlarge)
Air flow is away from you...

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