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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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Micro Commercial Components



Micro Commercial Components
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MT3504A THRU MT3516A

35 Amp Three Phase Bridge Rectifier 400 to 1600 Volts

Features

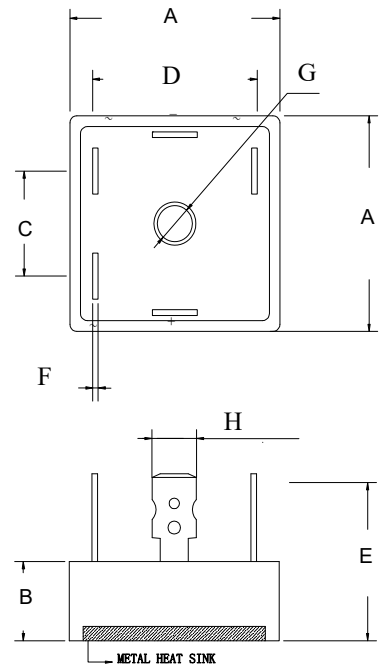
- Glass Passivated Die Construction
- General purpose 3 phase bridge rectifier applications
- High Surge Current Capability
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -40°C to +150°C
- Storage Temperature: -40°C to +150°C
- Maximum Thermal Resistance: 1.3°C/W Junction to case

| MCC Part Number | Peak Repetitive Reverse Voltage |
|-----------------|---------------------------------|
| MT3504A | 400V |
| MT3506A | 600V |
| MT3508A | 800V |
| MT3510A | 1000V |
| MT3512A | 1200V |
| MT3514A | 1400V |
| MT3516A | 1600V |

MT-35A



Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|--------------------------------------|-------------|---------------------|--|
| Average Forward Current | $I_{F(AV)}$ | 35.0A | $T_C = 55^\circ\text{C}$ |
| Forward Surge Current(Nonrepetitive) | I_{FSM} | 400A | 60Hzsine wave, 1 cycle, |
| Peak Forward Voltage | V_{FM} | 1.2V | $I_{FM}=12A_{PK}$, Pulse measurement, Rating of per diode |
| Peak Reverse Current | I_{RRM} | 10 μ A | Pulse measurement Rating of per diode |
| Current Squared Time | I^2t | 660A ² S | 1ms<t<8.3ms Rating of per diode |
| Dielectric Strength | V_{dis} | 2KV 2.5KV | AC 1min, Terminals to case AC 1min, Terminals to case |

| DIM | INCHES | | MM | | NOTE |
|-----|--------|-------|-------|-------|------|
| | MIN | MAX | MIN | MAX | |
| A | 1.110 | 1.134 | 28.20 | 28.80 | |
| B | .354 | .394 | 9.0 | 10.0 | |
| C | .610 | .650 | 15.5 | 16.5 | |
| D | .948 | .988 | 24.10 | 25.10 | |
| E | .944 | | 25.00 | | |
| F | .029 | .033 | 0.75 | 0.85 | |
| G | .193 | | 4.9 | | |
| H | .244 | .251 | 6.20 | 6.40 | |

Notes:1.High Temperature Solder Exemption Applied,see EU Directive Annex Notes 7.

■ Characteristics(Typical)

FIG1:Io-Tc Curve

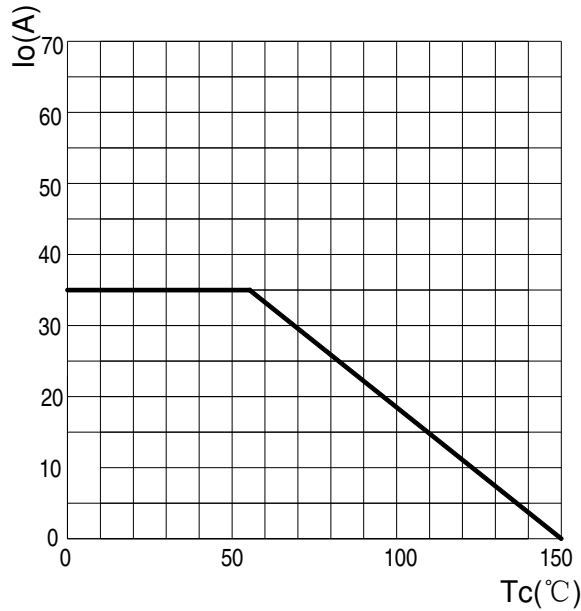


FIG2:Surge Forward Current Capadility

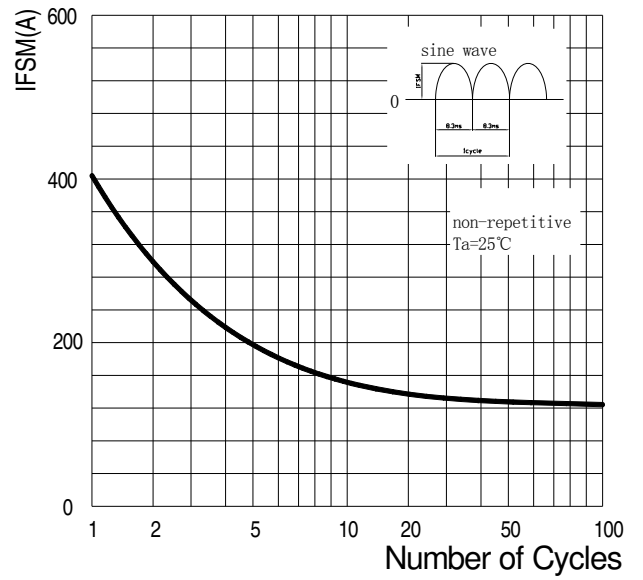


FIG3:Instantaneous Forward Voltage

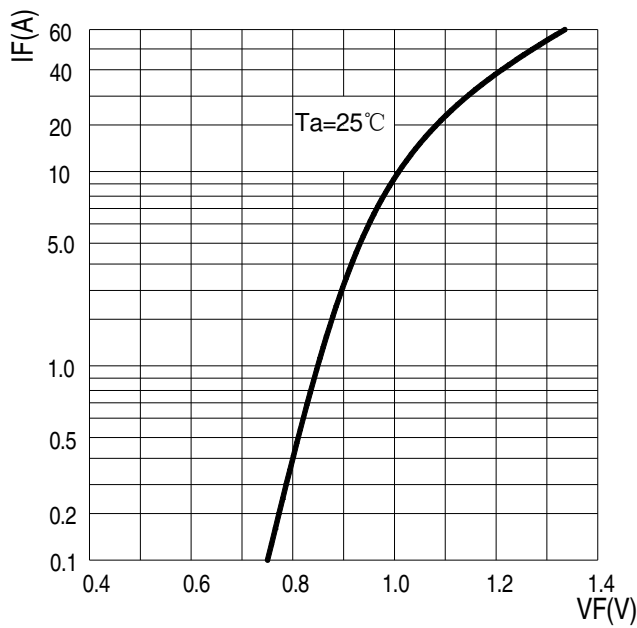
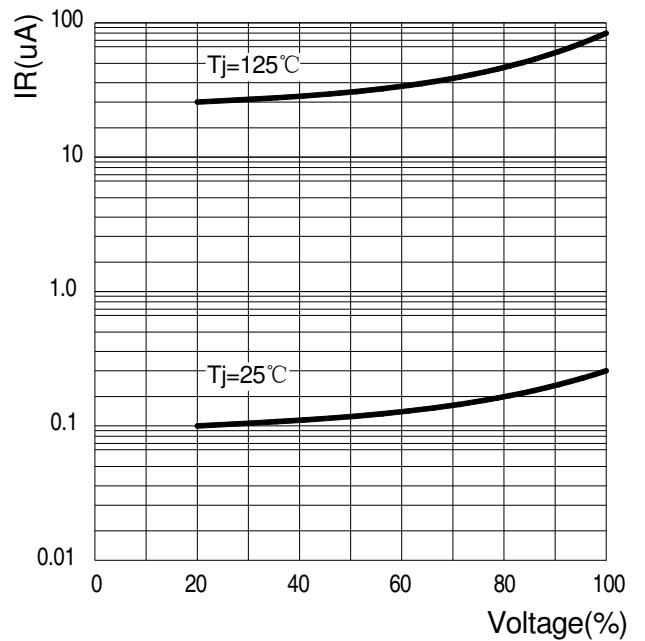


FIG4:Typical Reverse Characteristics





Micro Commercial Components

Ordering Information :

| Device | Packing |
|----------------|-----------------------------|
| Part Number-BP | Bulk: 50PCS/BOX ;500PCS/CTN |

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