

ROHS

Micro Commercial Corp. 20736 Marilla Street Chatsworth, CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939 MP3505 THRU MP3510

Micro Commercial Components

Features

- UL Recognized File # E165989
- Mounting Hole For #8 Screw
- Plastic Case With Metal Bottom
- Any Mounting Position
- Surge Rating Of 400 Amps
- Case Material:Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1
- Lead Free Finish/RoHS Compliant (NOTE 1)("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Mounting Torgue: 20 in-lbs Maximum

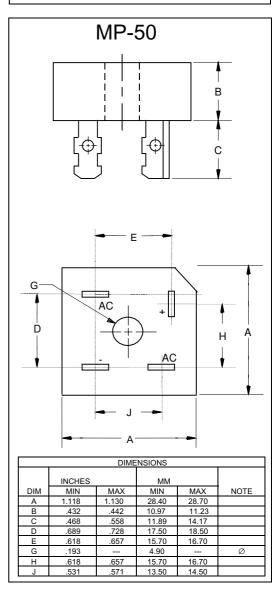
MCC	Device	Maximum	Maximum	Maximum
Catalog	Marking	Recurrent	RMS	DC
Number		Peak Reverse Voltage		Blocking
		Voltage	_	Voltage
MP3505	MP3505	50V	35V	50V
MP351	MP351	100V	70V	100V
MP352	MP352	200V	140V	200V
MP354	MP354	400V	280V	400V
MP356	MP356	600V	420V	600V
MP358	MP358	800V	560V	800V
MP3510	MP3510	1000v	700V	1000v

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	35.0A	T _C = 55°C
Peak Forward Surge Current	I _{FSM}	400A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_{F}	1.1V	I_{FM} = 17.5A per element; T_J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5μΑ 500μΑ	T _J = 25°C T _J = 125°C
1t Rating for Fusing t<8.3mS	l ² t	660	A ² S
Typical Themal Resistance Junction to case(per element)	R e jc	3.0	K/W

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

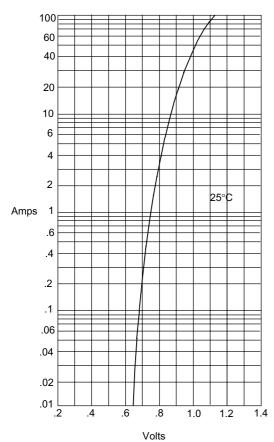
35 Amp Single Phase Bridge Rectifier 50 to 1000 Volts



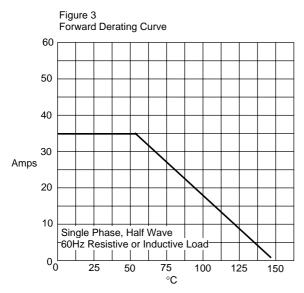


MP3505 thru MP3510

Figure 1 Typical Forward Characteristics

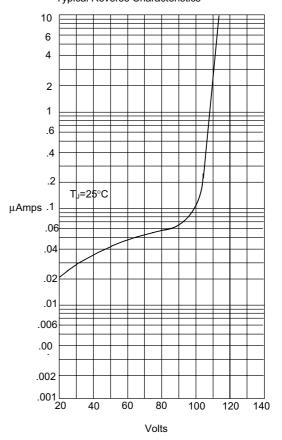


Instantaneous Forward Current - Amperesversus Instantaneous Forward Voltage - Volts

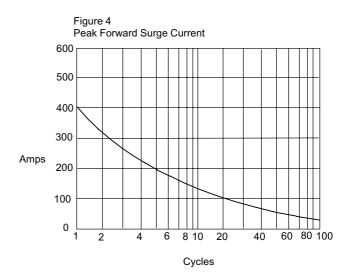


Average Forward Rectified Current - Amperes versus Case Temperature - $^{\circ}\text{C}$

Figure 2 **Micro Commercial Components** Typical Reverse Characteristics



Instantaneous Reverse Leakage Current - MicroAmperesersus
Percent Of Rated Peak Reverse Voltage - Volts



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles



Ordering Information

Device	Packing	
(Part Number)-BP	Bulk; 400Pcs/Ctn	

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