



Micro Commercial Components



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3GBJ3508
3GBJ3510
3GBJ3516

Features

- Lead Free Finish/RoHS Compliant (NOTE 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- High surge forward current capability
- Glass passivated chip
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

35 Amp
Bridge Rectifier
800~1600 Volts

Maximum Ratings

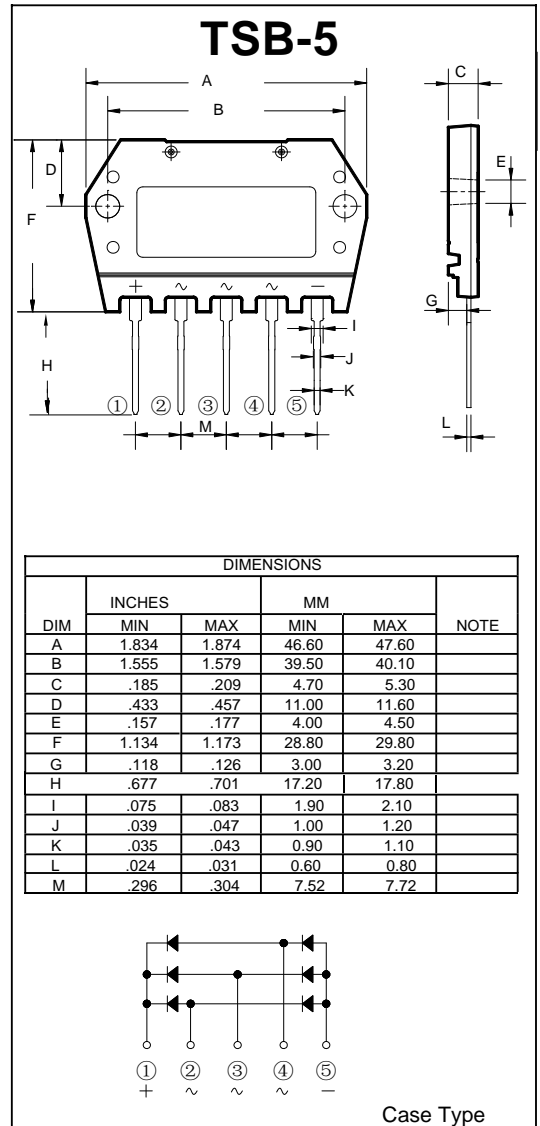
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
3GBJ3508	3GBJ3508	800V	560V	800V
3GBJ3510	3GBJ3510	1000V	700V	1000V
3GBJ3516	3GBJ3516	1600V	1120V	1600V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Rectified Output Current	I_O	35 A	$T_C = 110^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	400A	60 Hz, sine wave
Maximum Instantaneous Forward Voltage	V_F	1.10V	$I_{FM} = 17.5 \text{ A}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10 μA	$T_a = 25^\circ\text{C}$
Dielectric Strength	V_{dis}	2.5KV	
Max.Mounting Torque	T_{or}	8 kg • cm	Recommend torque 5kg • cm
Current Squared time	I^2t	660A ² S	$t < 8.3\text{ms}$
Thermal Resistance	R_{thJC}	0.8°C/W	

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



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Characteristics(Typical)

FIG1:Io-Tc Curve

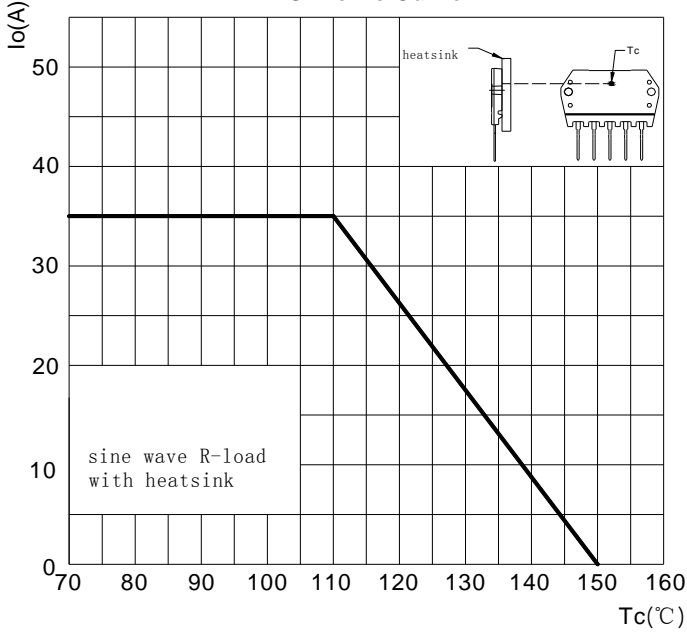


FIG2: Forward Surge Current Capability

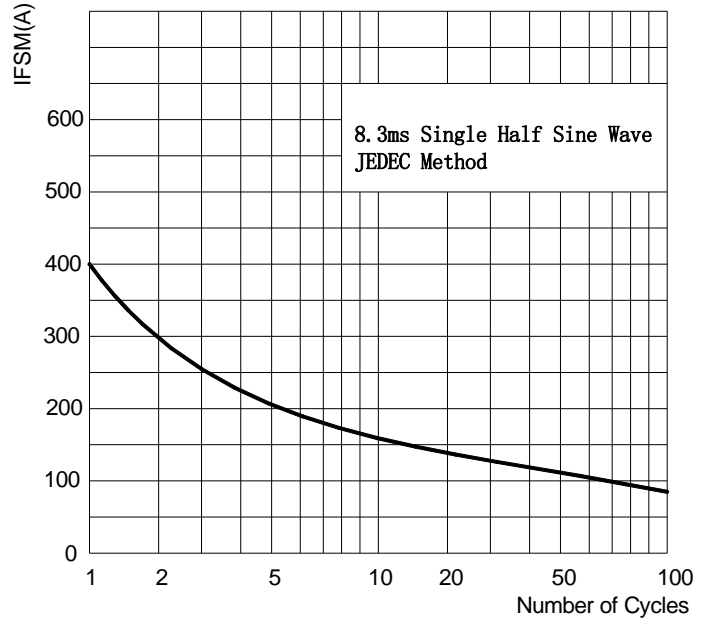


FIG3: Forward Voltage Drop

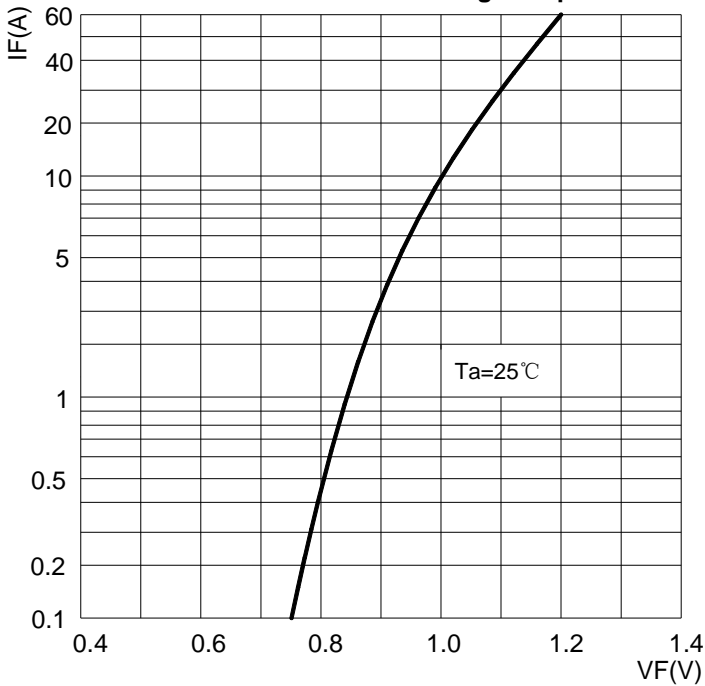
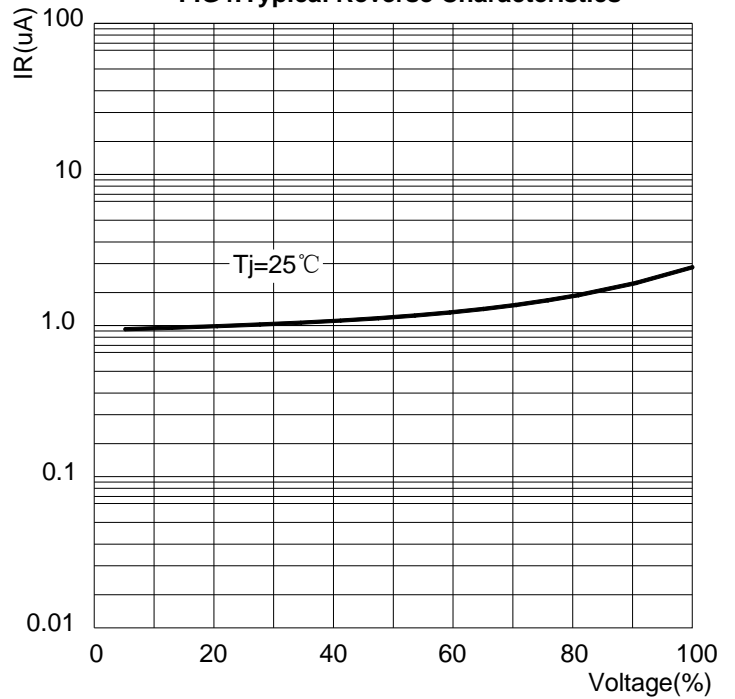


FIG4: Typical Reverse Characteristics





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Ordering Information :

Device	Packing
Part Number-BP	Bulk: 96pcs/Box;960pcs/Ctn

Note : Adding "-HF" suffix for halogen free, eg. Part Number-BP-HF

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