

Features

- Ideal for P.C. Board mounting
- High surge current capability
- This series is UL listed under the Recognized Component Index, file number E142814
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- High temperature soldering guaranteed 265 C /10 seconds at 5 lbs (2.3kg) tension



GBU (SIP-4)

Ordering Information

Product ID	Pack	Qty(PCS)
BU1010-M3/45	GBU(SIP-4)	500



Maxmim Ratings (Ta=25°C unless otherwise noted)

_	-	
Symbol	BU1010-M3/45	Unit
VRRM	1000	V
VRMS	700	V
VDC	1000	V
IF(AV)	10	Α
IFSM	220	Α
I ² t	200	A ² sec
ReJA	2.2	°C / W
TJ, TSTG	-55 to + 150	°C
	VRRM VRMS VDC IF(AV) IFSM I ² t ReJA TJ,	VRRM 1000 VRMS 700 VDC 1000 IF(AV) 10 IFSM 220 I ² t 200 ReJA 2.2 TJ, 55 to + 150

Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified. Resistive or Inductive load, 60Hz. For Capacitive load derate by 20 %.

Parameter	Symbol	BU1010-M3/45	Unit
Maximum instantaneous forward voltage drop per leg at 10.0A	VF	1.05	V
Maximum DC reverse current at rated TA =25°C DC blocking voltage per element TA =125°C	IR	5.0 500	μΑ

Notes: (1)Thermal resistance from Junction to Ambemt on P.C.board mounting.



Rating and Characteristic Curves (TA=25°C Unless otherwise noted)

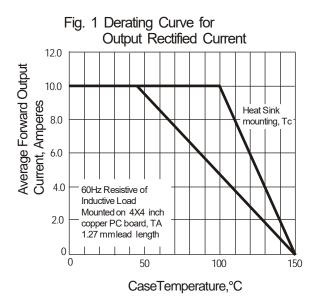
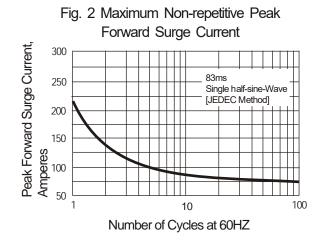
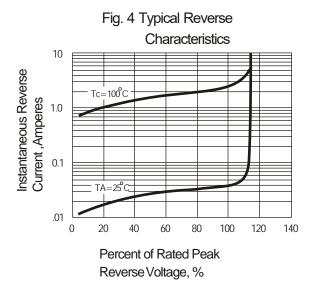
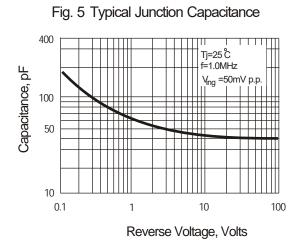


Fig. 3 Typical Instantaneous Forward Characteristics 100 nstantaneous Forward Current, 40 20 10 4.0 1.0 Amperes 0.1 Tj=25°C Pulse Width=300us 2% duty cycle .01 0.6 0.7 8.0 0.9 1.0 1.2 1.3 Instantaneous Forward Voltage, Volts

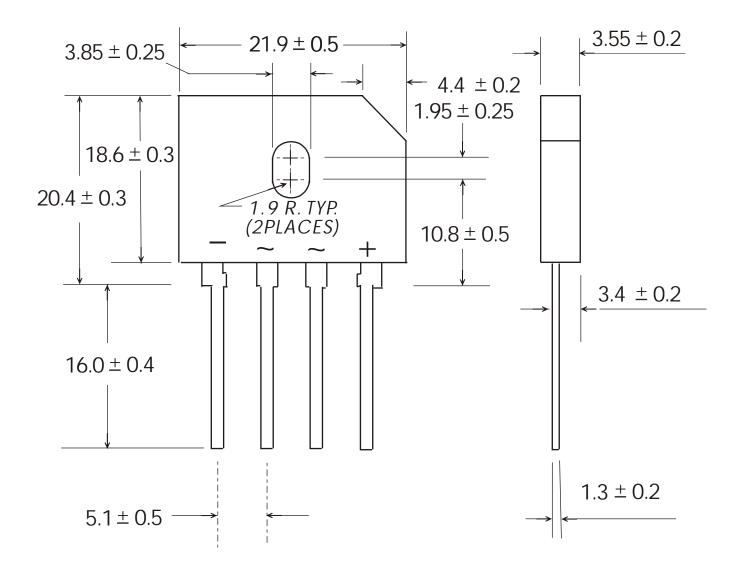








GBU(SIP-4) Package Outline Dimensions





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