GBU4A, GBU4B, GBU4D, GBU4G, GBU4J, GBU4K, GBU4M



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ELECTRICAL CHARACTERISTICS ($T_A = 25 \text{ °C}$ unless otherwise noted)										
PARAMETER	TEST CONDITIONS	SYMBOL	GBU4A	GBU4B	GBU4D	GBU4G	GBU4J	GBU4K	GBU4M	UNIT
Maximum instantaneous forward voltage drop per diode	4.0 A	V _F				1.0				v
Maximum DC reverse current at rated DC	T _A = 25 °C		5.0					μA		
blocking voltage per diode	T _A = 125 °C	I _R	500							
Typical junction capacitance per diode	4 V, 1 MHz	CJ	57				pF			

THERMAL CHARACTERISTICS ($T_A = 25 \text{ °C}$ unless otherwise noted)									
PARAMETER	SYMBOL	GBU4A	GBU4B	GBU4D	GBU4G	GBU4J	GBU4K	GBU4M	UNIT
Typical thermal resistance	R _{0JA} ⁽²⁾	22							°C/W
	R _{0JC} ⁽¹⁾	4.2							0/11

Notes

⁽¹⁾ Units case mounted on aluminum plate heatsink

(2) Units mounted in free air, no heatsink on PCB, 0.5" x 0.5" (12 mm x 12 mm) copper pads, 0.375" (9.5 mm) lead length

ORDERING INFORMATION								
PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE				
GBU4J-E3/45	3.857	45	20	Tube				
GBU4J-E3/51	3.857	51	250	Paper tray				
GBU4J-M3/45	3.565	45	20	Tube				
GBU4J-M3/51	3.565	51	250	Paper tray				

RATINGS AND CHARACTERISTICS CURVES (T_A = 25 °C unless otherwise noted)

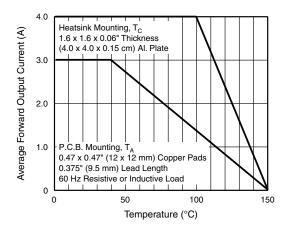


Fig. 1 - Derating Curve Output Rectified Current

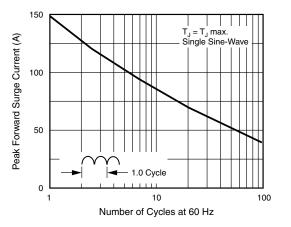
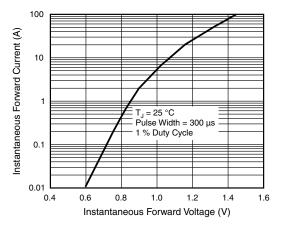


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current Per Diode

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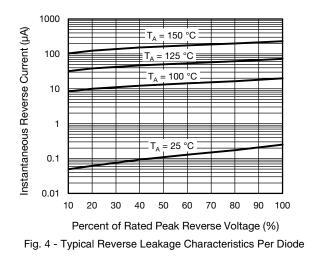
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Fig. 3 - Typical Forward Characteristics Per Diode



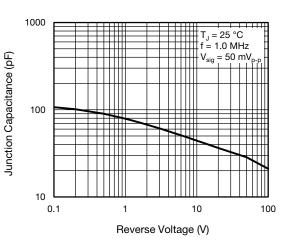


Fig. 5 - Typical Junction Capacitance Per Diode

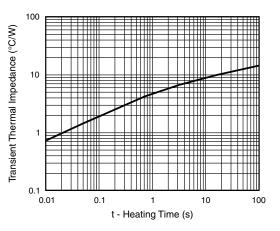
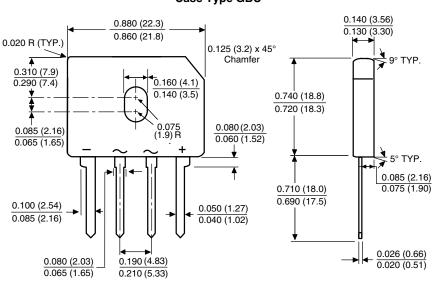


Fig. 6 - Typical Transient Thermal Impedance





Polarity shown on front side of case, positive lead by beveled corner

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