ELECTRICAL CHARACTERISTICS (T_A = 25 °C unless otherwise noted)											
PARAMETER		**TEST CONDITIONS**	**SYMBOL**	**GBPC12, 15, 25, 35**							**UNIT**
				005	**01**	**02**	**04**	**06**	**08**	**10**	
Maximum instantaneous forward drop per diode	GBPC12	I_F = 6.0 A	V_F	1.1							V
	GBPC15	I_F = 7.5 A									
	GBPC25	I_F = 12.5 A									
	GBPC35	I_F = 17.5 A									
Maximum reverse DC current at rated DC blocking voltage per diode		T_A = 25 °C	I_R	5.0							μA
		T_A = 125 °C		500							
Typical junction capacitance per diode		4 V, 1 MHz	C_J	300							pF

THERMAL CHARACTERISTICS (T_A = 25 °C unless otherwise noted)										
PARAMETER		**SYMBOL**	**GBPC12, 15, 25, 35**							**UNIT**
			005	**01**	**02**	**04**	**06**	**08**	**10**	
Typical thermal resistance	GBPC12 to GBPC25	$R_{\theta JC}$ (1)	1.9							°C/W
	GBPC35		1.4							

Notes

(1) With heatsink

(2) Bolt down on heatsink with silicone thermal compound between bridge and mounting surface for maximum heat transfer with #10 screw

ORDERING INFORMATION (Example)				
PREFERRED P/N	**UNIT WEIGHT (g)**	**PREFERRED PACKAGE CODE**	**BASE QUANTITY**	**DELIVERY MODE**
GBPC1206-E4/51	15.79	51	100	Paper box
GBPC1506-E4/51	15.79	51	100	Paper box
GBPC2506-E4/51	15.79	51	100	Paper box
GBPC3506-E4/51	15.79	51	100	Paper box
GBPC1206W-E4/51	13.8	51	100	Paper box
GBPC1506W-E4/51	13.8	51	100	Paper box
GBPC2506W-E4/51	13.8	51	100	Paper box
GBPC3506W-E4/51	13.8	51	100	Paper box

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

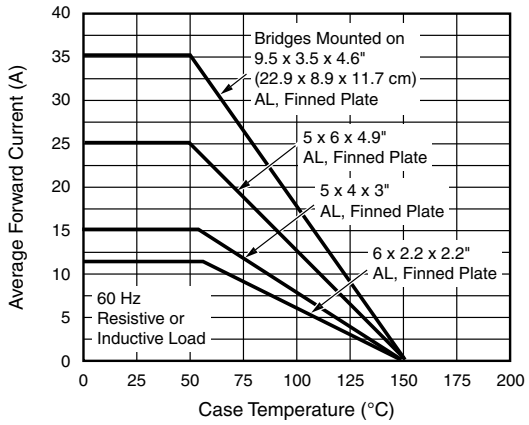


Fig. 1 - Maximum Output Rectified Current

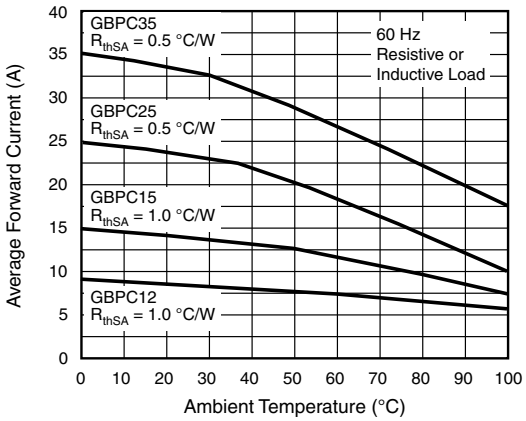


Fig. 2 - Maximum Output Rectified Current

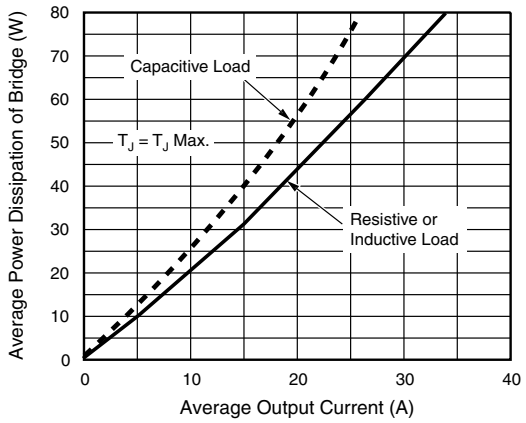


Fig. 3 - Maximum Power Dissipation

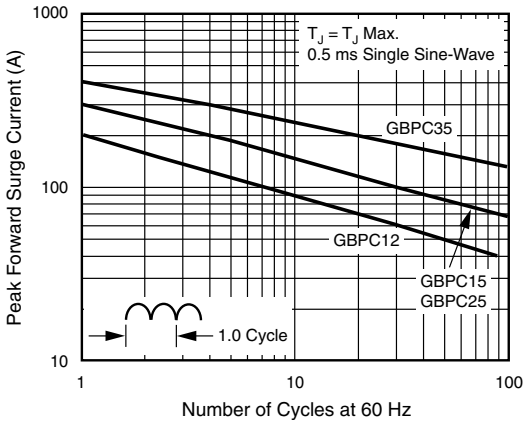


Fig. 4 - Maximum Non-Repetitive Peak Forward Surge Current Per Diode

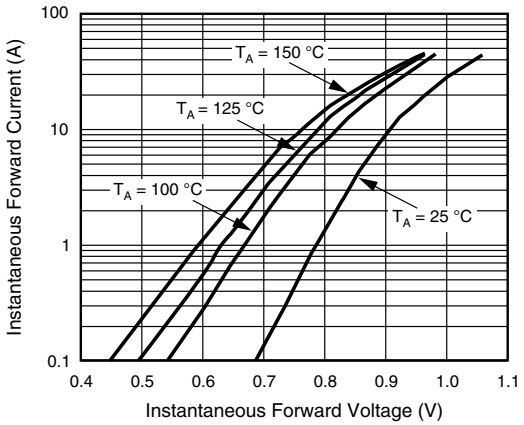


Fig. 5 - Typical Instantaneous Forward Characteristics Per Diode

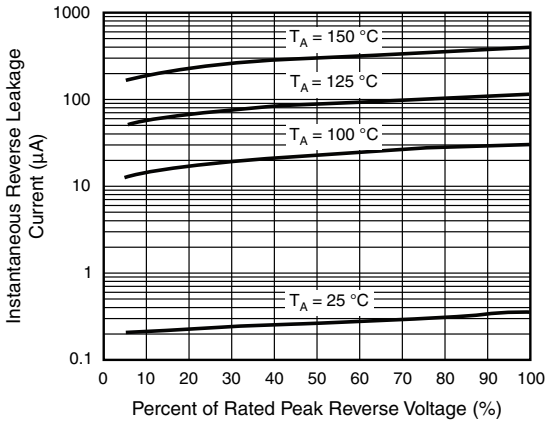


Fig. 6 - Typical Reverse Leakage Characteristics Per Diode

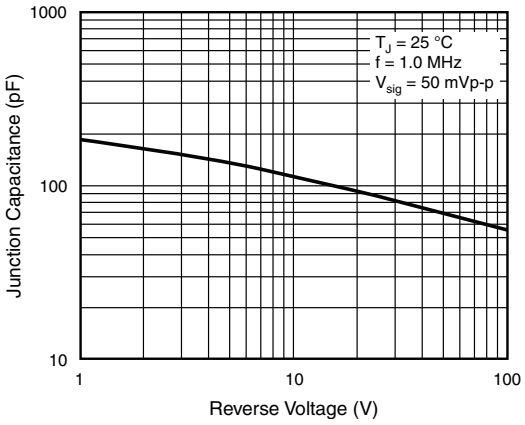


Fig. 7 - Typical Junction Capacitance Per Diode

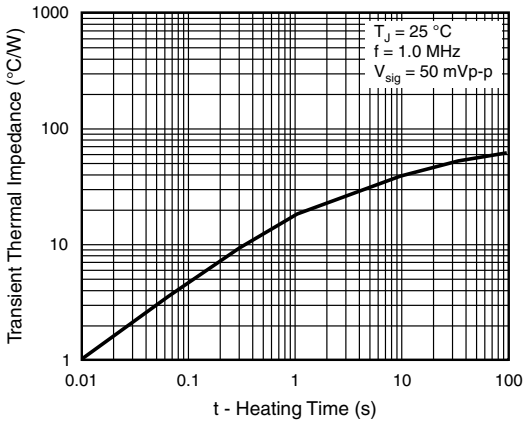
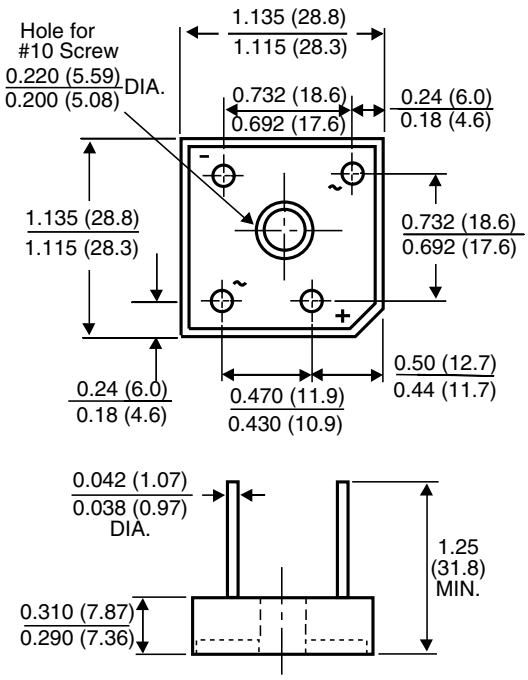


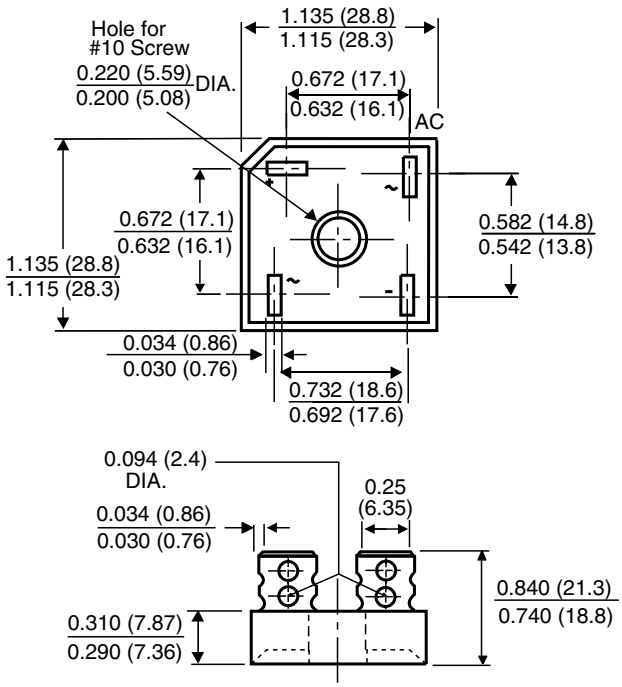
Fig. 8 - Typical Transient Thermal Impedance Per Diode

PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

GBPC-W



GBPC



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