

SINGAL PHASE BRIDGE RECTIFIER

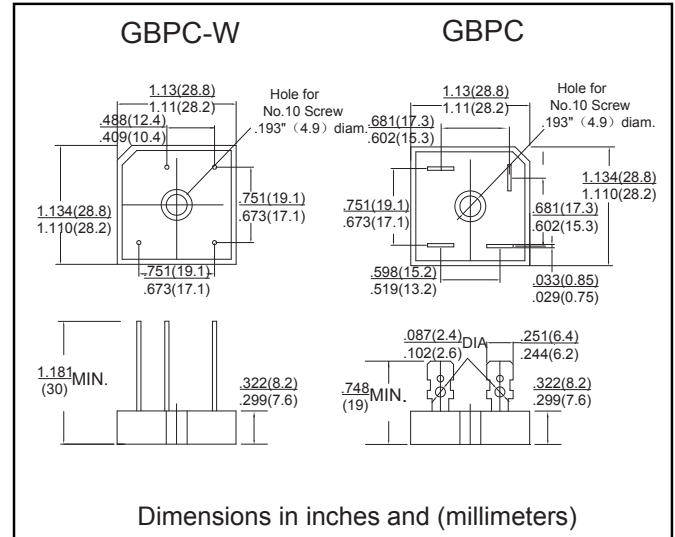
FEATURES

- Glass passivated chip
- High surge forward current capability

APPLICATION

- General purpose 1 phase Bridge rectifier applications

Outline Dimensions and Mark

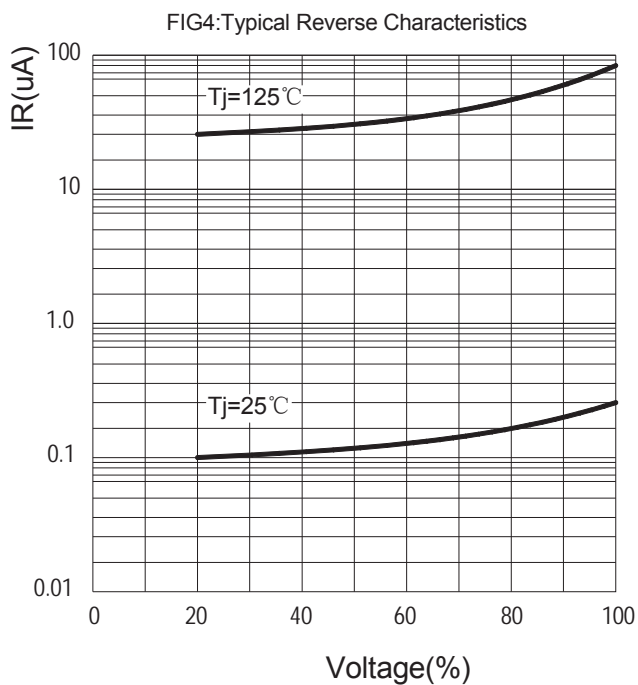
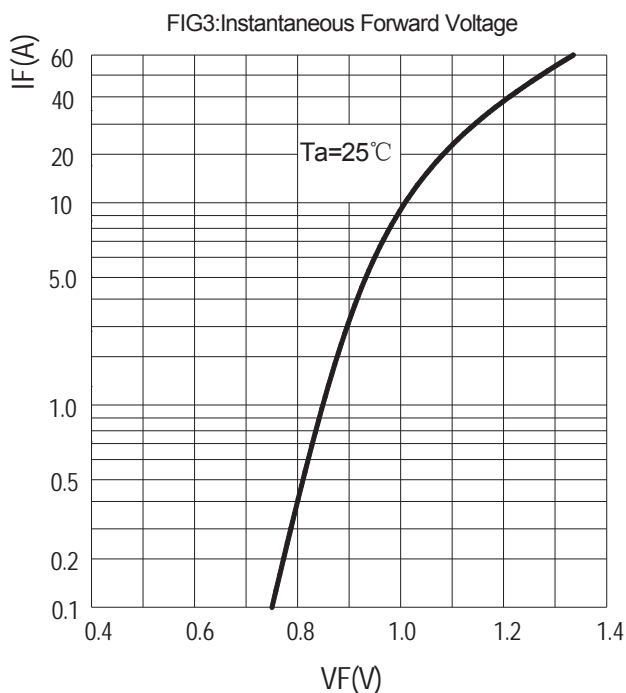
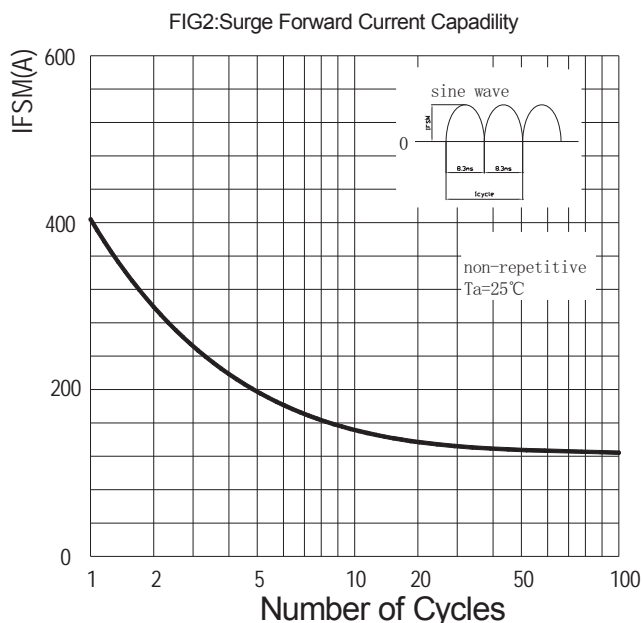
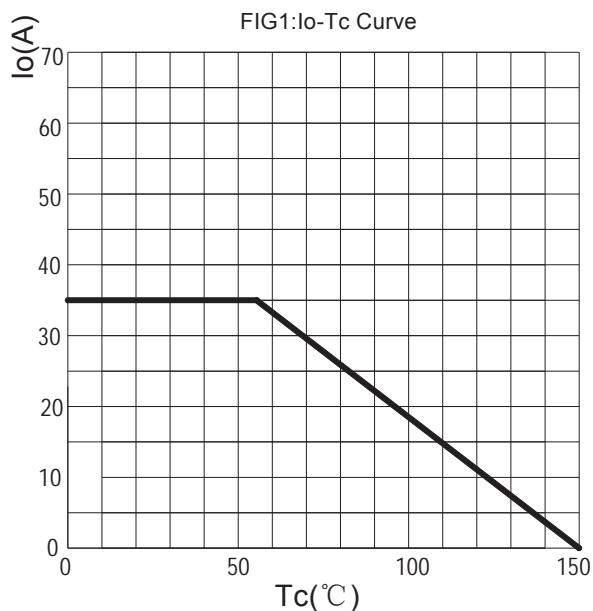


LIMITING VALUES(Absolute Maximum Rating) & ELECTRICAL CHARACTERISTICS (Ta=25 Unless otherwise specified)

	SYMBOLS	GBPC 35005(W)	GBPC 01(W)	GBPC 02(W)	GBPC 04(W)	GBPC 06(W)	GBPC 08(W)	GBPC 10(W)	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Average Rectified Output Current 60Hz sine wave, R-load With heatsink $T_c=55$	$I_{(o)}$	35							Amps
Surge(Non-repetitive) Forward Current 60HZ sine wave, 1 cycle, $T_a=25$	I_{FSM}	400							Amps
Peak Forward Voltage, IFM=17.5A, Pulse measurement, Rating of per	V_{FM}	1.1							Volts
Current Squared Time, $1ms \leq t < 8.3ms$ $T_j=25$, Rating of per diode	I^2t	660							A^2s
Peak Reverse Current, $VRM=VRRM$, Pulse measurement, Rating of per diode	I_{RRM}	10							μA
Dielectric Strength Terminals to case, AC 1 minute	V_{dis}	2.5							KV
Typical Thermal Resistance Between junction & case, With heatsink	$R_{\theta J-C}$	1.35							$^{\circ}C/W$
Operating and Storage Temperature Range	T_J, T_{STG}	-55 ~ +150							$^{\circ}C$

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RATINGS AND CHARACTERISTICS CURVES GBPC35005(W) - GBPC3510(W)



Disclaimer

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.