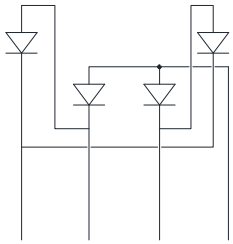
RoHS
COMPLIANT

- UL recognition, file #E230084
- Glass passivated chip junction
- Ideal for printed circuit boards
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

General purpose use in AC/DC bridge full wave rectification for monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.



- : GBP
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

■ (T_a=25 Unless otherwise specified

Average rectified output current @60Hz sine wave, R-load, T_C =110	I_O	A	4.0
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	110
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			220
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode	I^2t	A^2s	50
Dielectric strength @ terminals to case, AC 1 minute	Vdis	KV	2
Storage temperature	T_{stg}		-55 ~ +150
Junction temperature	T_j		-55 ~ +150

■ T_a=25 Unless otherwise specified

Maximum reverse recovery time	t_{rr}	ns	I_F=0.5A,I_R=1.0A, I_{rr}=0.25A	500
Maximum instantaneous forward voltage drop per diode	VF	V	IFM=2.0A	1.3
Maximum DC reverse current at rated DC blocking voltage per diode	IR	μA	T_j =25	5
			T_j =125	100
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	30

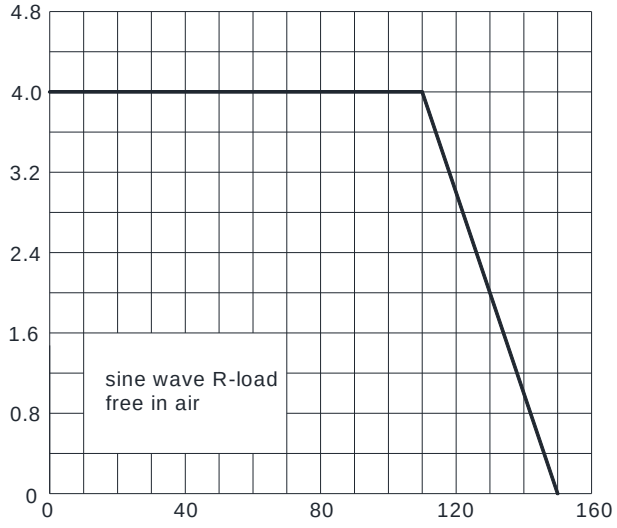
■ T_a=25 Unless otherwise specified

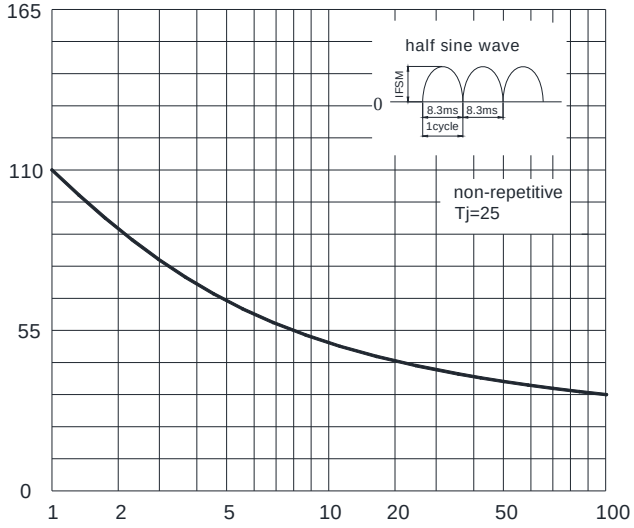
Thermal Resistance	Between junction and ambient	$R_{\theta J-A}$	/W	45
	Between junction and Case	$R_{\theta J-C}$		5

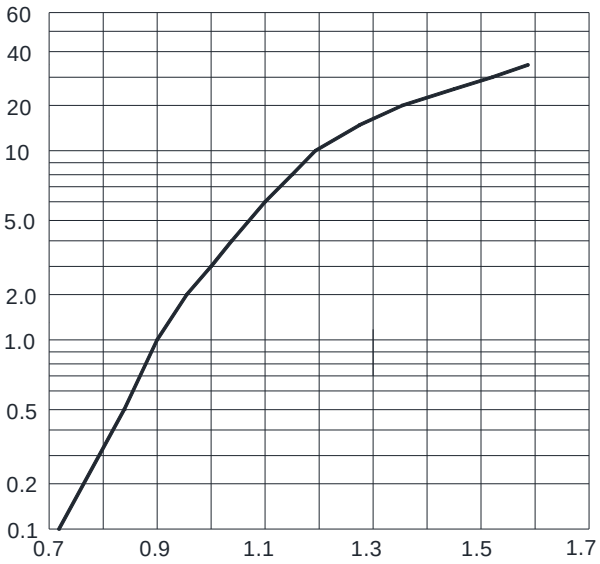
■ (Example)

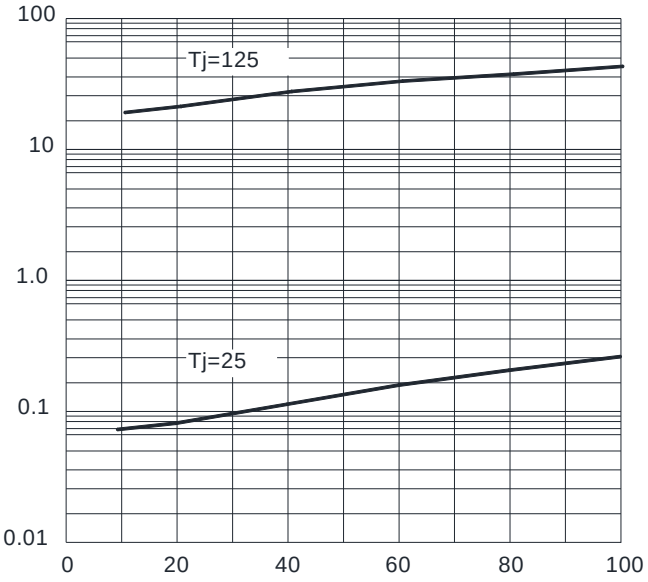
RGBP410	B1	1.4	35	2100	4200	TUBE

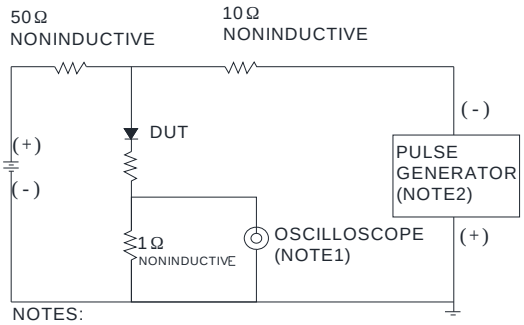
■ (Typical)



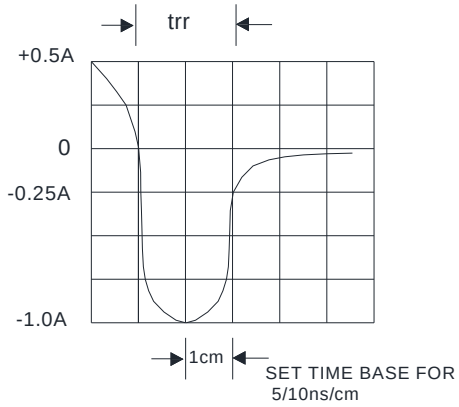








NOTES:
1.Rise Time=7ns max .Inpot Impedance=1MΩ 22pf
2.Rise Time=10ns max.Sourse Impedance=50Ω



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