

■ Features

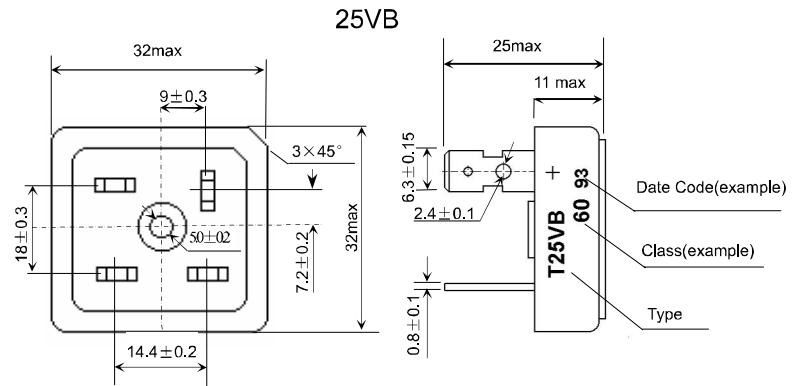
- I_o 25A
- V_{RRM} 200V~800V
- Glass passivated chip
- High surge forward current capability

■ Applications

- General purpose 1 phase Bridge rectifier applications

Outline Dimensions and Mark

Unit: mm



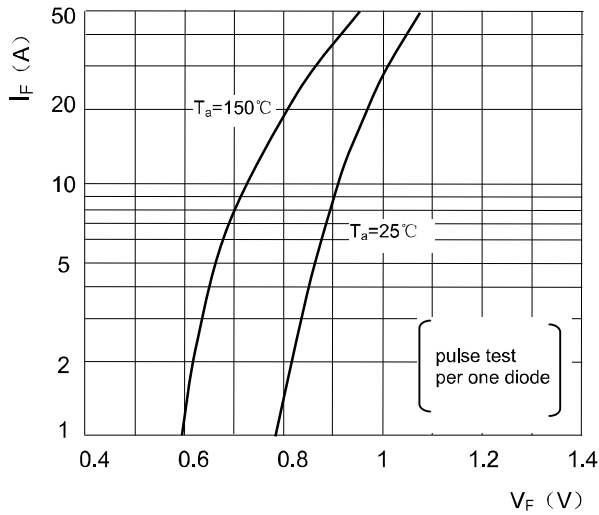
■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	T25VB			
				20	40	60	80
Storage Temperature	T_{stg}	°C		-40 ~+150			
Junction Temperature	T_j	°C		+150			
Repetitive Peak Reverse Voltage	V_{RRM}	V		200	400	600	800
Average Rectified Output Current	I_o	A	50Hz sine wave, R-load	With heatsink $T_c=85^{\circ}C$			
				Without heatsink $T_a=40^{\circ}C$			
Surge(Non-repetitive)Forward Current	I_{FSM}	A	50Hz sine wave, 1 cycle, $T_a=25^{\circ}C$	400			
Dielectric Strength	V_{dis}	kV	Terminals to case, AC 1 minute	2			
Mounting Torque	TOR	kg · cm	Recommend torque: 10kg · cm	20			

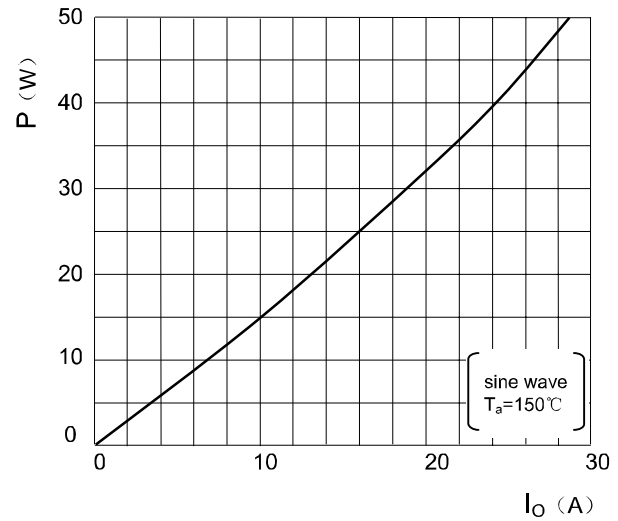
■ Electrical Characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)

Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=12.5A$, Pulse measurement, Rating of per diode	1.05
Peak Reverse Current	I_{RRM}	μA	$V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode	10
Thermal Resistance	$R_{\theta J-C}$	°C/W	Between junction and case	1.5

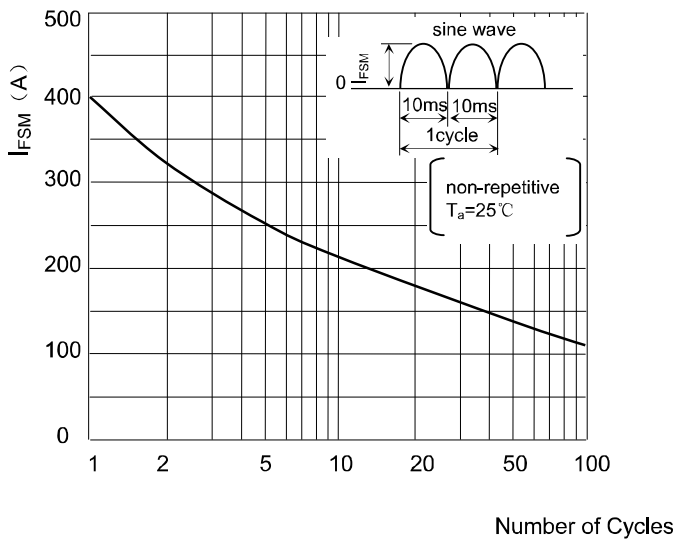
■ Characteristics(Typical)



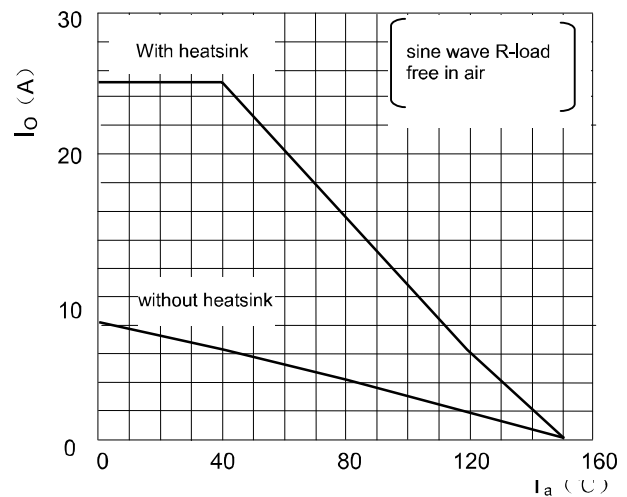
Forward Characteristics



P-I_O Curve



Surge Forward Current Capability



I_O - T_a Curve