

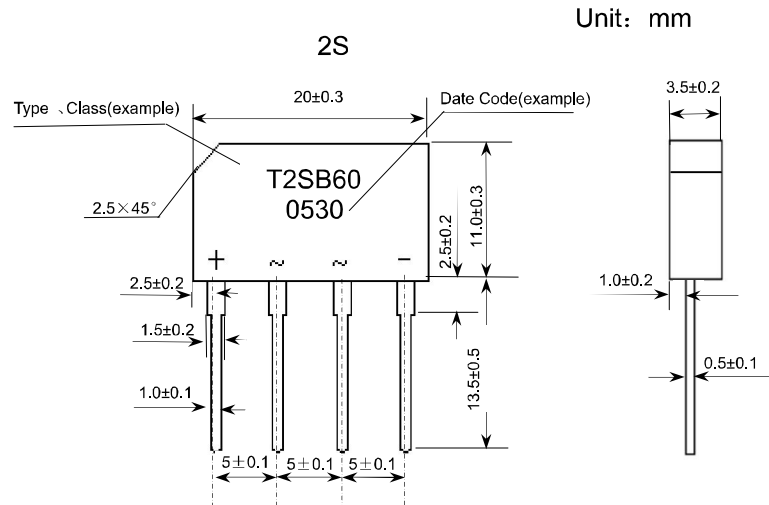
■ Features

- I_o 2.0A
- V_{RRM} 200V~800V
- Glass passivated chip
- High surge forward current capability
- Small size

■ Applications

- General purpose 1 phase Bridge rectifier applications

Outline Dimensions and Mark



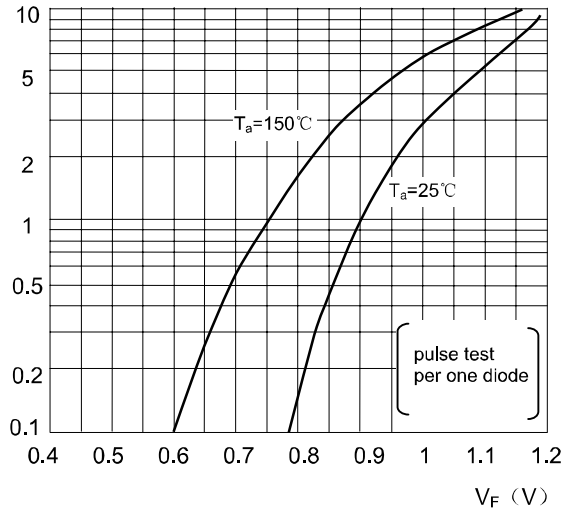
■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	T2SB20	T2SB40	T2SB60	T2SB80
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, $T_a=25^\circ\text{C}$	2.0			
Surge(Non-repetitive)Forward Current	I_{FSM}	A	50Hz sine wave, 1 cycle, $T_a=25^\circ\text{C}$	80			
Current Squared Time	I^2t	A ² s	$1\text{ms} \leq t < 8.3\text{ms}$ $T_j=25^\circ\text{C}$, Rating of per diode	34			

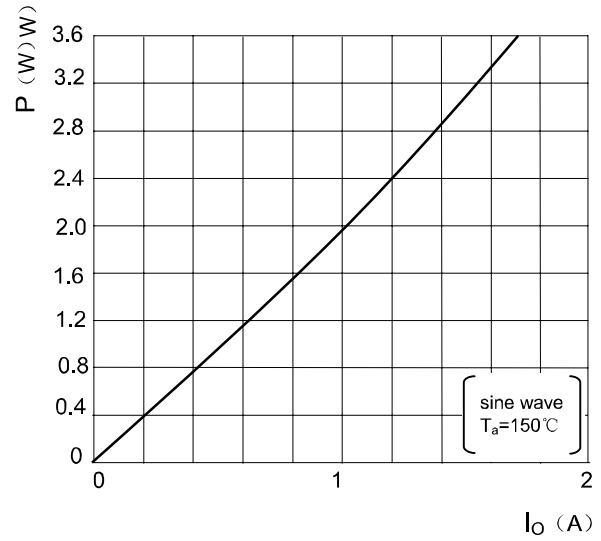
■ Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=1.0\text{A}$, Pulse measurement, Rating of per diode	1.05
Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode	10
Thermal Resistance	$R_{\theta J-A}$	°C/W	Between junction and ambient	47
	$R_{\theta J-L}$		Between junction and lead	10

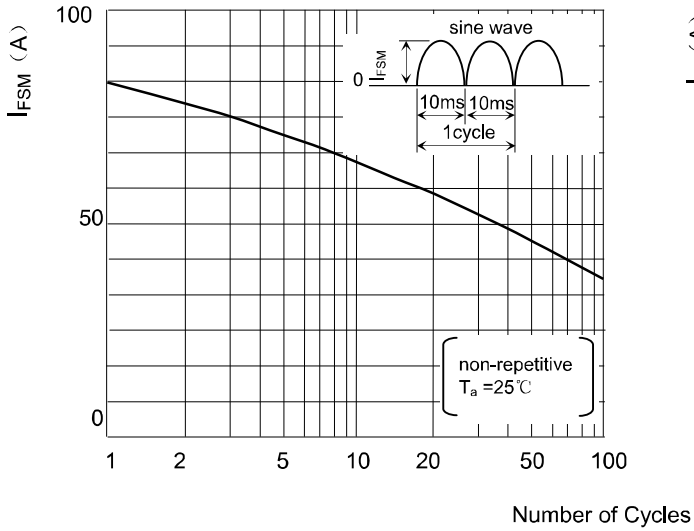
■ Characteristics(Typical)



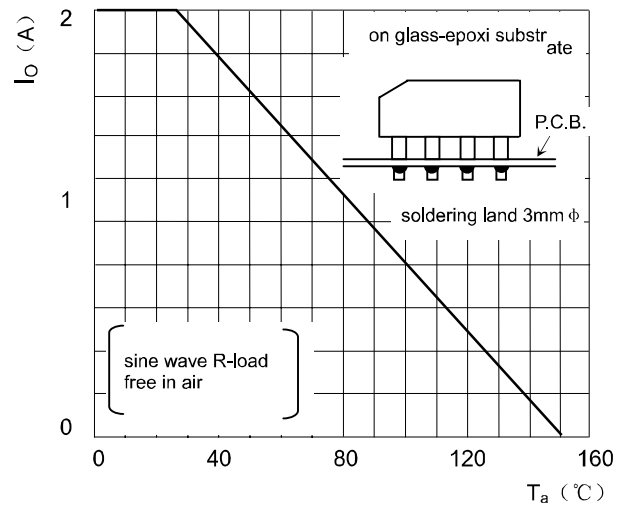
Forward Characteristics



$P-I_o$ Curve



Surge Forward Current Capability



T_a-I_o Curve