

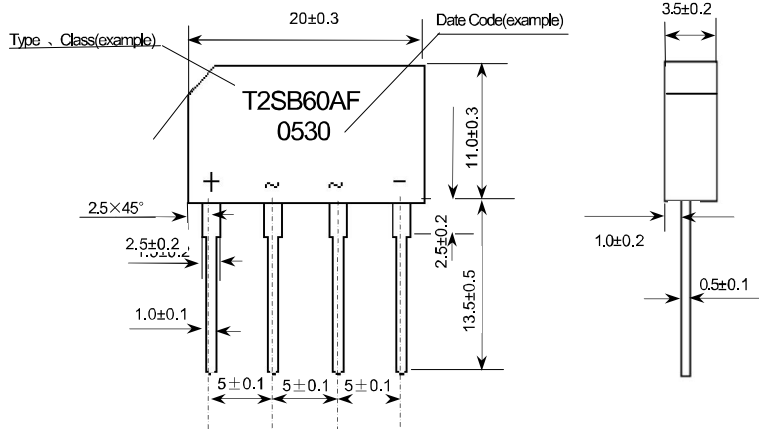
■ **Features**

- I_o 4.0A
- V_{RRM} 200-800V
- Glass passivated chip
- High surge forward current capability
- Small size
- HF product

■ **Applications**

- General purpose 1 phase Bridge rectifier applications

Outline Dimensions and Mark
2S Unit: mm



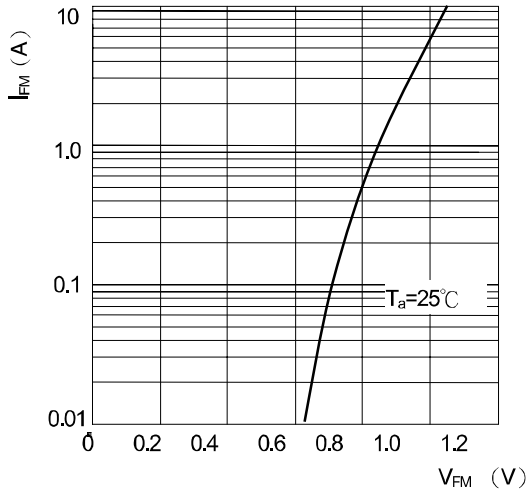
■ **Limiting Values (Absolute Maximum Rating)**

Item	Symbol	Unit	Conditions	T2SB20AF	T2SB40AF	T2SB60AF	T2SB80AF
Storage Temperature	T_{stg}	$^{\circ}C$		-40 ~ +150			
Junction Temperature	T_j	$^{\circ}C$		+150			
Repetitive Peak Reverse Voltage	V_{RRM}	V		200	400	600	800
Average Rectified Output Current	I_o	A	50Hz sine wave, R-load, $T_a=25^{\circ}C$	4			
Surge(Non-repetitive)Forward Current	I_{FSM}	A	50Hz sine wave, 1 cycle, $T_a=150^{\circ}C$	150			
Current Squared Time	I^2t	A^2s	$1ms \leq t < 8.3ms$, $T_j=25^{\circ}C$, Rating of per diode	93			

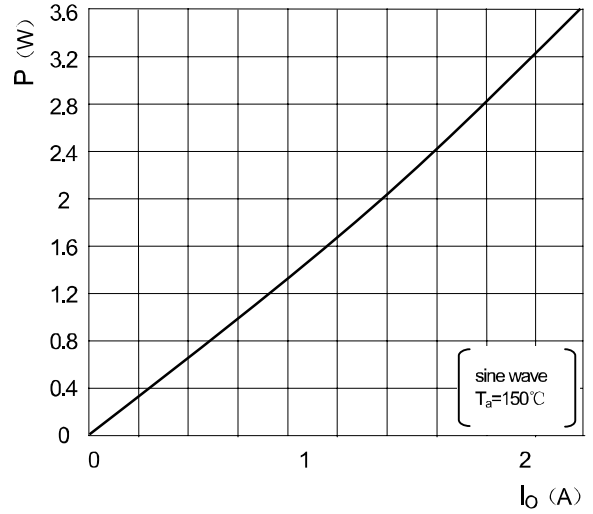
■ **Electrical Characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)**

Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=2A$, Pulse measurement, Rating of per diode	1.05
Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode	5
Thermal Resistance	$R_{\theta J-A}$	$^{\circ}C/W$	Between junction and ambient	47
	$R_{\theta J-L}$		Between junction and lead	10

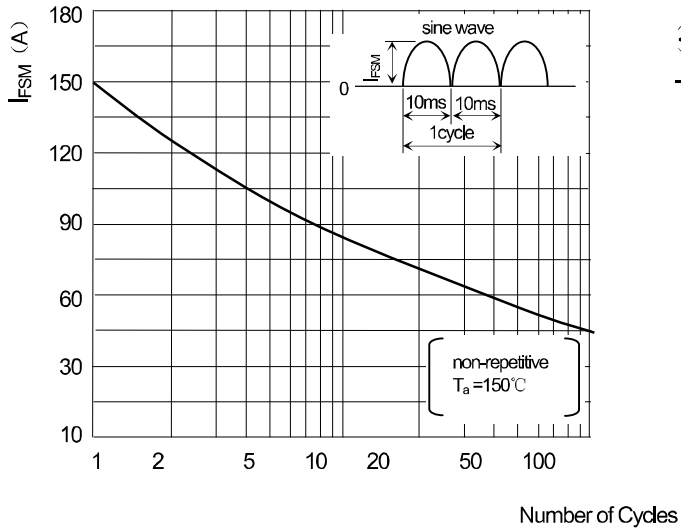
■ Characteristics(Typical)



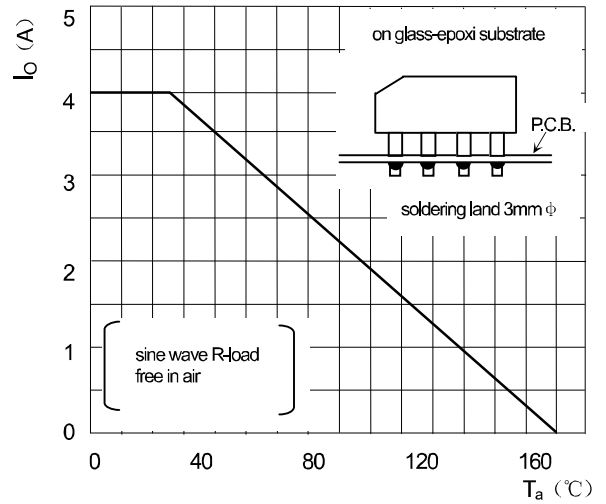
Forward Characteristics



P- I_o Curve



Surge Forward Current Capability



T_a - I_o Curve