

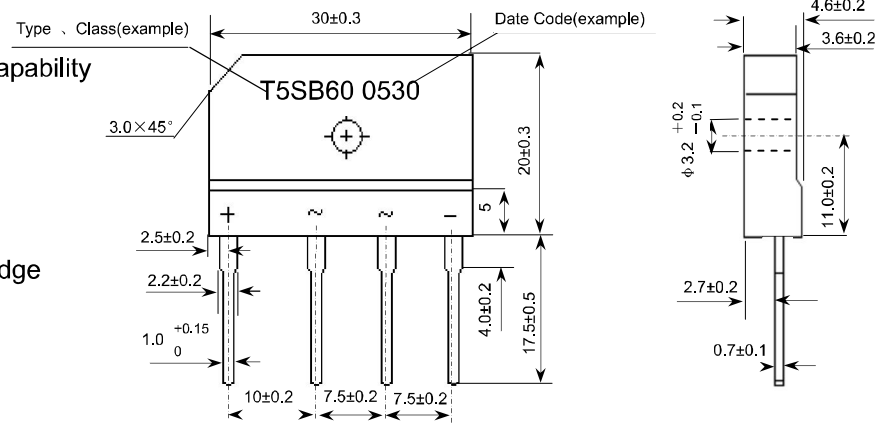
■ Features

- I_o 6.0A
- V_{RRM} 200V~800V
- Glass passivated chip
- High surge forward current capability

Outline Dimensions and Mark

5S

Unit: mm



■ Applications

- General purpose 1 phase Bridge rectifier applications

■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	T5SBA			
				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,	6.0			
				2.8			
Surge(Non-repetitive)Forward Current	I_{FSM}	A	50Hz sine wave, 1 cycle, $T_a=25^{\circ}C$	170			
Current Squared Time	I^2t	A ² s	1ms≤t<8.3ms $T_j=25^{\circ}C$, Rating of per diode	120			
Dielectric Strength	Vdis	kV	Terminals to case, AC 1 minute	2			
Mounting Torque	TOR	kg • cm	Recommend torque: 5kg • cm	8			

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

Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=3.0A$, Pulse measurement, Rating of per diode	1.05
Peak Reverse Current	I_{RRM1}	μ A	$V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode,	10
Thermal Resistance	$R_{\theta J-A}$	°C/W	Between junction and ambient, Without heatsink	26
	$R_{\theta J-L}$		Between junction and lead, Without heatsink	5
	$R_{\theta J-C}$		Between junction and case, With heatsink	3.4

■ Characteristics(Typical)

