

■ **Features**

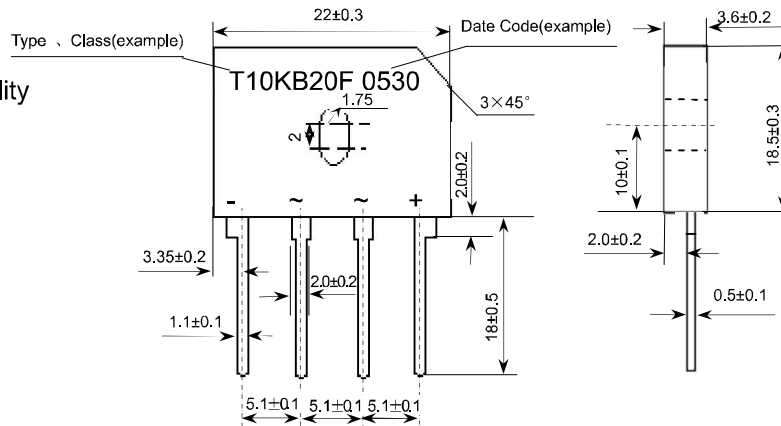
- I_o 10.0A
- V_{RRM} 200V~800V
- Glass passivated chip
- High surge forward current capability
- HF product

■ **Applications**

- General purpose 1 phase Bridge rectifier applications

Outline Dimensions and Mark
4K

Unit: mm



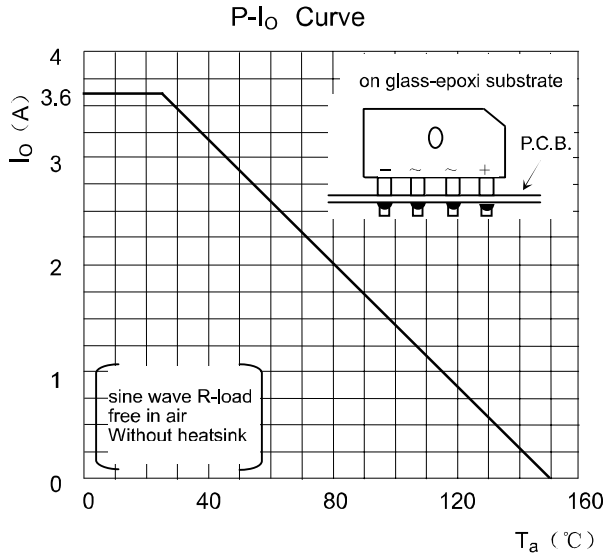
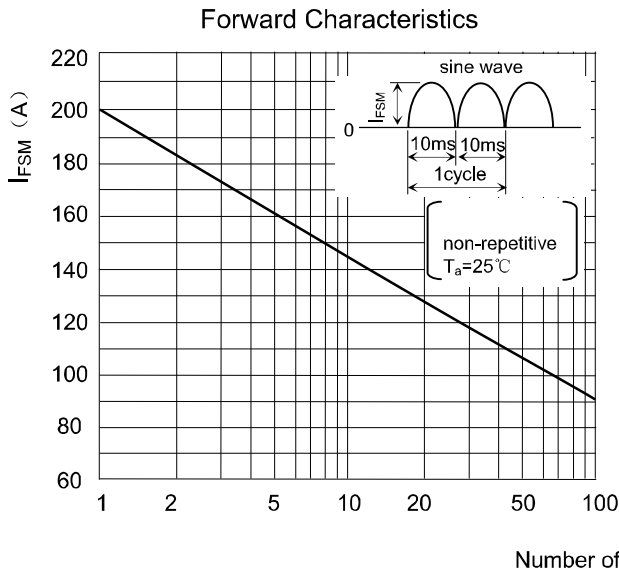
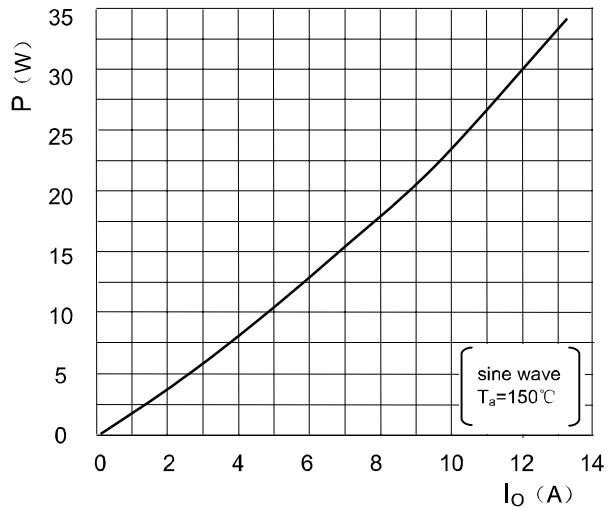
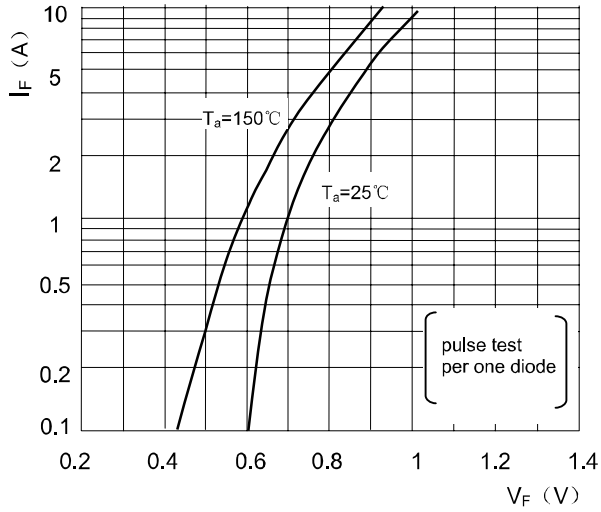
■ **Limiting Values (Absolute Maximum Rating)**

Item	Symbol	Unit	Conditions	T10KB			
				20 F	40 F	60 F	80 F
Storage Temperature	T_{stg}	$^\circ\text{C}$		-40 ~ +150			
Junction Temperature	T_j	$^\circ\text{C}$		+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 $T_c=100^\circ\text{C}$			
				Without heatsink $T_a=25^\circ\text{C}$			
Surge(Non-repetitive)Forward Current	I_{FSM}	A	50Hz sine wave, 1 cycle, $T_a=25^\circ\text{C}$	200			
Current Squared Time	I^2t	A^2s	$1\text{ms} \leq t < 8.3\text{ms}$ $T_j=25^\circ\text{C}$, Rating of per diode	166			
Dielectric Strength	Vdis	kV	Terminals to case, AC 1 minute	2			
Mounting Torque	TOR	$\text{kg} \cdot \text{cm}$	Recommend torque: $5\text{kg} \cdot \text{cm}$	8			

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

Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=10.0\text{A}$, Pulse measurement, Rating of per diode	1.1
Peak Reverse Current	I_{RRM}	μA	$V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode,	5
Thermal Resistance	$R_{\theta J-A}$	$^\circ\text{C/W}$	Between junction and ambient, Without heatsink	21
	$R_{\theta J-L}$		Between junction and lead, Without heatsink	4
	$R_{\theta J-C}$		Between junction and case, With heatsink	4.8

■ Characteristics(Typical)



Surge Forward Current Capability

I_o-T_a Curve

