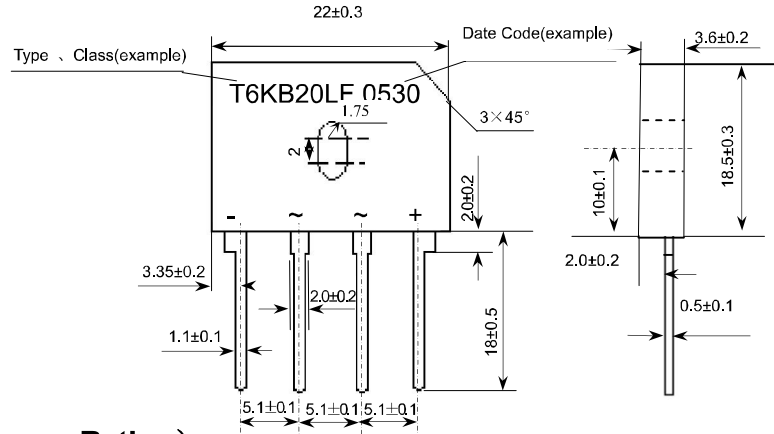


**■ Features**

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

**Outline Dimensions and Mark**

Unit: mm



**■ Applications**

- General purpose 1 phase Bridge rectifier applications

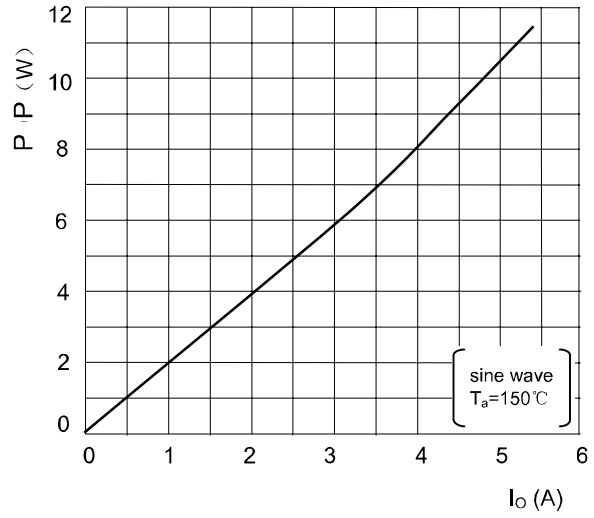
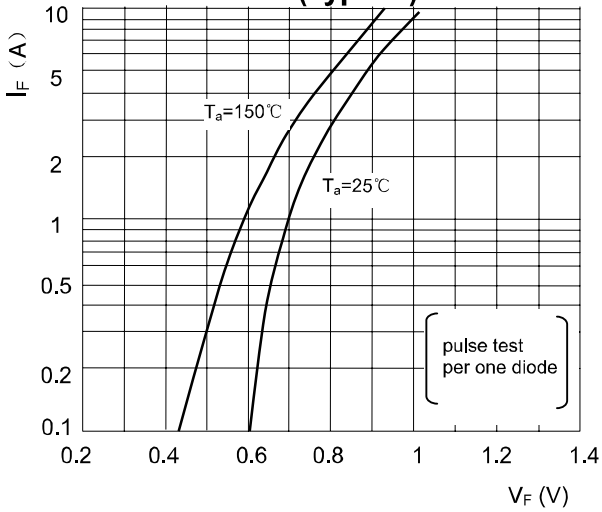
**■ Limiting Values (Absolute Maximum Rating)**

Item	Symbol	Unit	Conditions	T6KB--LF			
				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 $T_c=110^{\circ}\text{C}$			
				Without Heatsink $T_a=25^{\circ}\text{C}$			
Surge(Non-repetitive)Forward Current	$I_{FSM}$	A	50Hz sine wave, 1 cycle, $T_a=25^{\circ}\text{C}$				
Current Squared Time	$I^2t$	$\text{A}^2\text{s}$	1ms≤t<8.3ms $T_j=25^{\circ}\text{C}$ , Rating of per diode				
Dielectric Strength	Vdis	kV	Terminals to case, AC 1 minute				
Mounting Torque	TOR	kg·cm	Recommend torque: 5kg·cm				

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

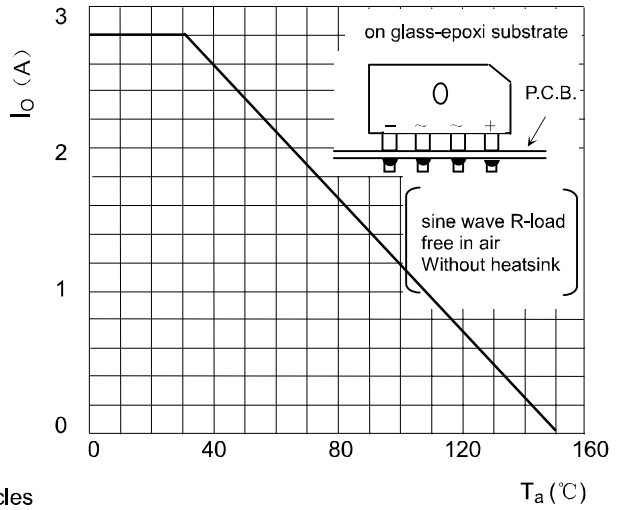
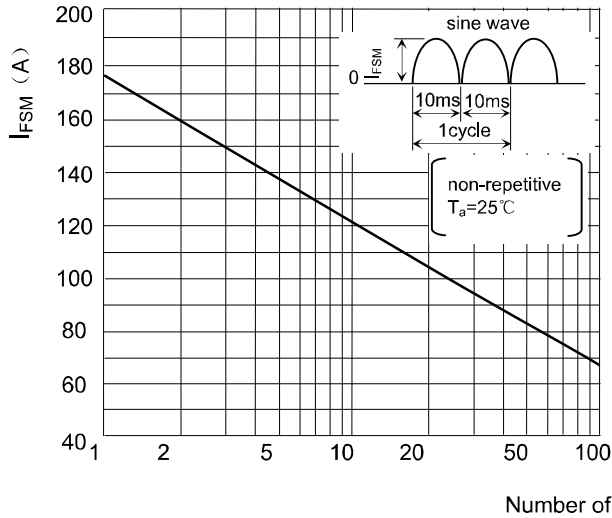
Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=3.0\text{A}$ , Pulse measurement, Rating of per diode	0.95
Peak Reverse Current	$I_{RRM1}$	$\mu\text{A}$	$V_{RM}=V_{RRM}$ , Pulse measurement, Rating of per diode,	5
Thermal Resistance	$R_{\theta J-A}$	°C/W	Between junction and ambient, Without heatsink	22
	$R_{\theta J-L}$		Between junction and lead, Without heatsink	4
	$R_{\theta J-C}$		Between junction and case, With heatsink	2.5

**Characteristics(Typical)**



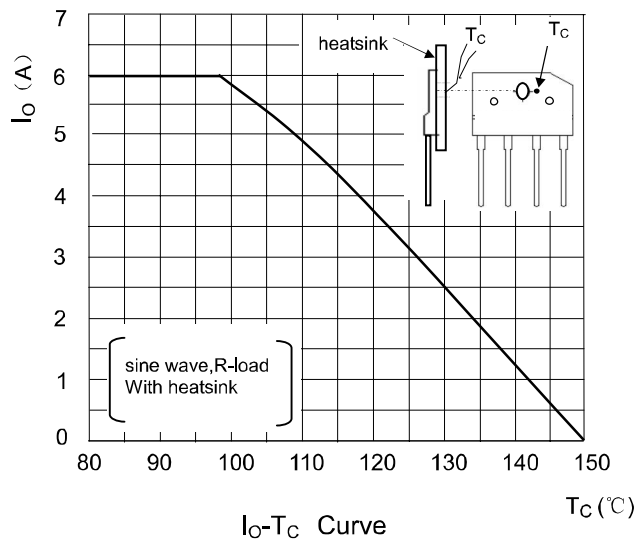
Forward Characteristics

P- $I_o$  Curve



Surge Forward Current Capability

$I_o$ - $T_a$  Curve



$I_o$ - $T_c$  Curve