

### ■ Features

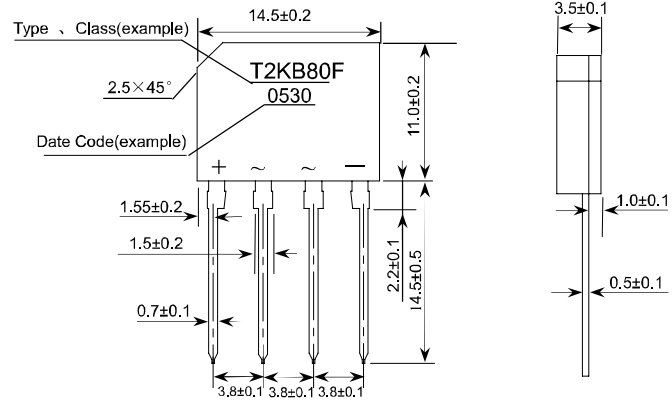
- $I_o$  2.0A
- $V_{RRM}$  200V~1000V
- Glass passivated chip
- High surge forward current capability
- Small size
- Halogen Free product

### ■ Applications

- General purpose 1 phase Bridge rectifier applications

### Outline Dimensions and Mark

Unit: mm



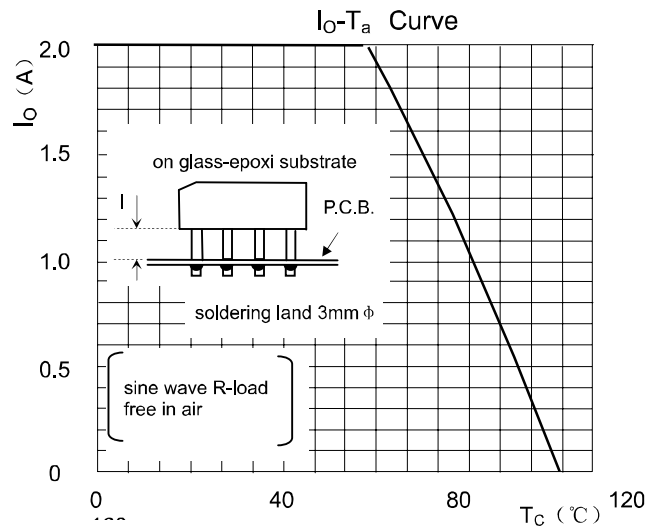
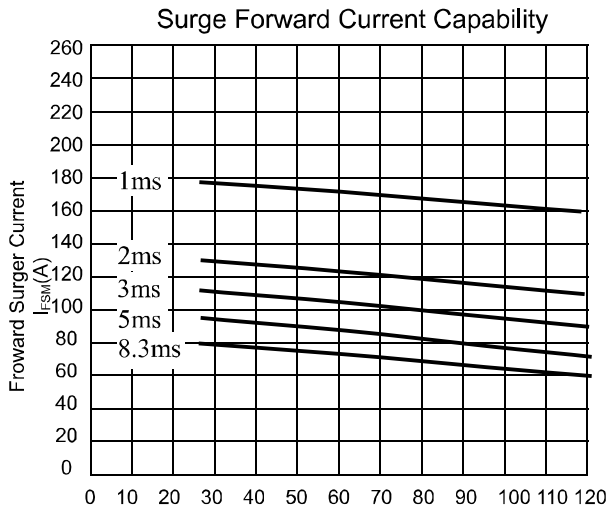
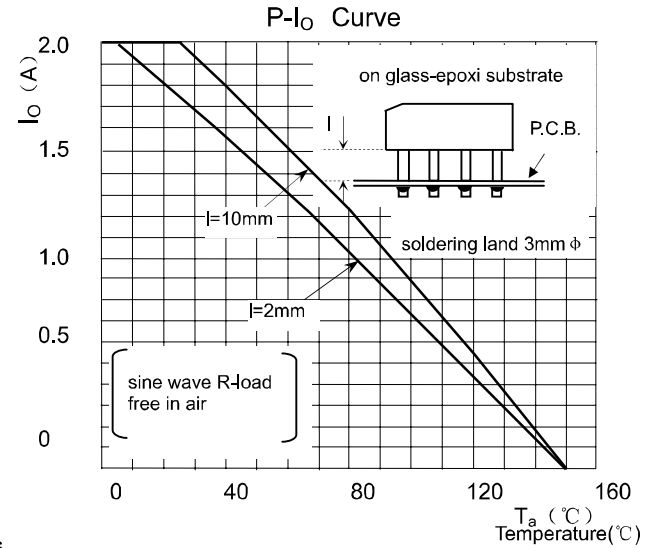
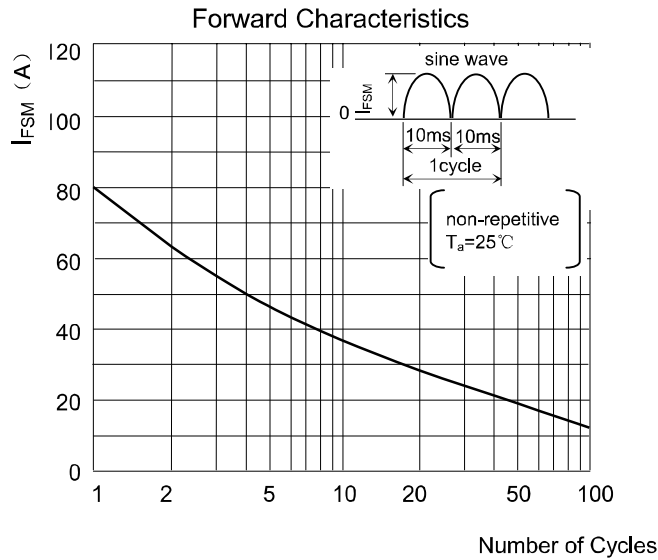
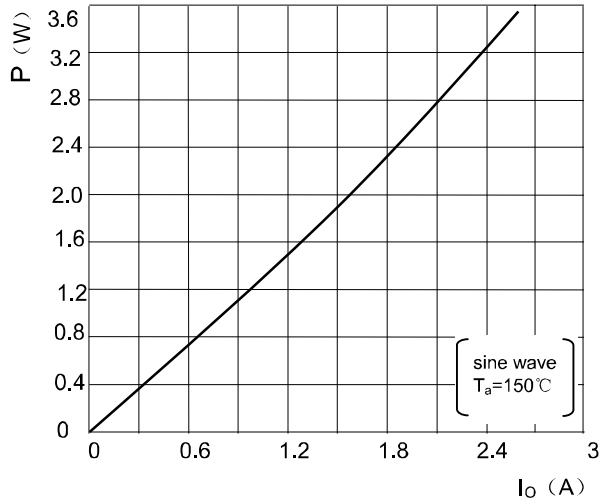
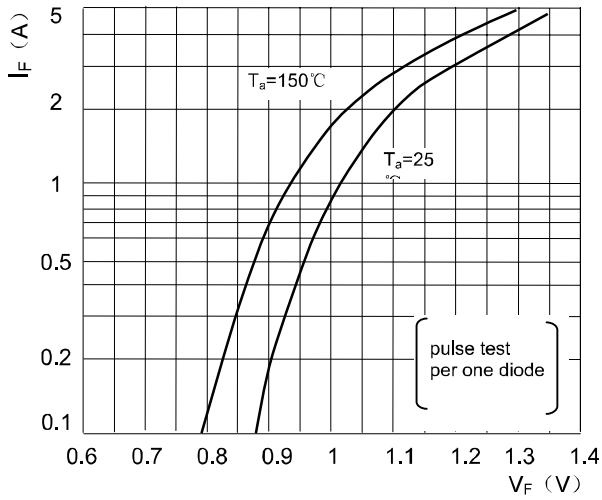
### ■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	T2KB 20F	T2KB 40F	T2KB 60F	T2KB 80F	T2KB 100F
Storage Temperature	$T_{stg}$	°C		-40 ~ +150				
Junction Temperature	$T_j$	°C		+150				
Repetitive Peak Reverse Voltage	$V_{RRM}$	V		200	400	600	800	1000
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 <sup>2</sup> s	1ms≤t<8.3ms $T_j=25^\circ\text{C}$ , Rating of per diode	27				

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

Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=2.0\text{A}$ , Pulse measurement, Rating of per diode	1.10
Peak Reverse Current	$I_{RRM1}$	μA	$V_{RM}=V_{RRM}$ , Pulse measurement, Rating of per diode	10
Thermal Resistance	$R_{\theta J-C}$	°C/W	Between junction and case, with heatsink	1.5
	$R_{\theta J-A}$		Between junction and ambient, without heatsink	45
	$R_{\theta J-L}$		Between junction and lead, without heatsink	8

■ Characteristics(Typical)



Maximum Non-Repetitive Peak Forward Surge Current

$I_o$ - $T_c$  Curve