

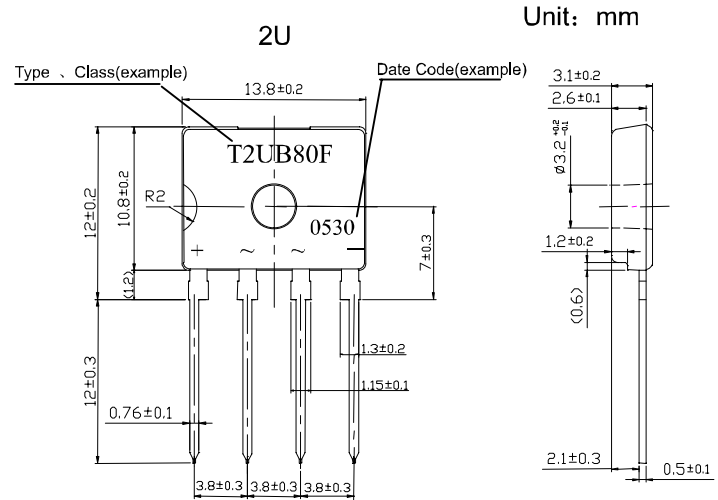
■ **Features**

- I_o 2.0A
- V_{RRM} 200V~800V
- 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



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

Item	Symbol	Unit	Conditions	T2UB			
				20F	40F	60F	80F
Storage Temperature	T_{stg}	°C		-55~ +150			
Junction Temperature	T_j	°C		+150			
Repetitive Peak Reverse Voltage	V_{RRM}	V		800			
Average Rectified Output Current	I_o	A	60Hz sine wave, R-load,	Without heatsink $T_a=29^\circ\text{C}$		1.2	
				With heatsink $T_c=140^\circ\text{C}$		2.0	
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz sine wave, 1 cycle, $T_j=25^\circ\text{C}$		60		
Current Squared Time	I^2t	A^2s	3ms≤t<8.3ms $T_j=25^\circ\text{C}$, Rating of per diode		15		
Dielectric Strength	V_{dis}	kV	Terminals to case, AC 1 minute		2		
Mounting Torque	TOR	kg·cm	Recommend torque: 5kg·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	$I_{FM}=1\text{A}$, Pulse measurement, Rating of per diode	1.05
Peak Reverse Current	I_{RRM1}	μA	measurement, Rating of per diode	10
Thermal Resistance	$R_{\theta J-A}$	°C/W	Between junction and ambient, Without heatsink	55
	$R_{\theta J-L}$		Between junction and lead, Without heatsink	15
	$R_{\theta J-C}$		Between junction and case, With heatsink	1.5

■ **Characteristics(Typical)**

