

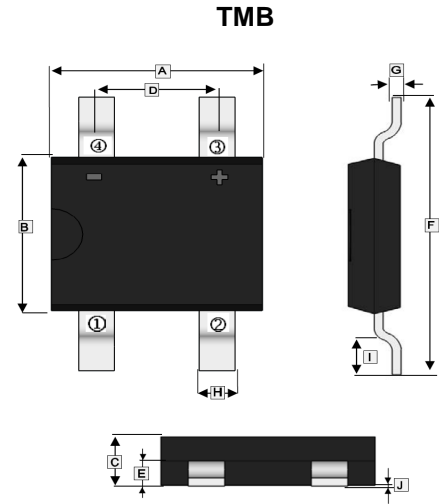
RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Ultra Low leakage current $I_R < 2\mu A$, $T_A=125^\circ C$
- No solder used · Real fully in line with lead free
- Package Thickness is 1.2mm
- High ESD >12KV (HBM MODEL)
- Plastic material has U/L flammability classification 94V-0
- High temperature soldering guaranteed:
260°C/10s (Reflow)
350°C/3s (Manual welding)

MECHANICAL DATA

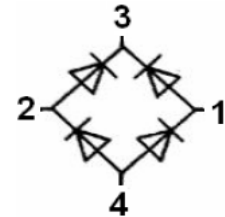
- Small signal rectifier devices.



PACKAGE INFORMATION

Package	MPQ	Leader Size
TMB	5K	13 inch

REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.5	4.7	F	6.6	7.0
B	3.6	3.8	G	0.2 TYP.	
C	1.2 TYP.		H	0.6	0.8
D	2.6	2.8	I	0.9	1.1
E	0.45	0.65	J	0.05	0.15



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Rating	Unit
Maximum Recurrent Reverse Voltage	V_{RRM}	600	V
Maximum RMS Voltage	V_{RMS}	420	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Rectified Current @ $T_A=25^\circ C$	$I_{F(AV)}$	0.5	A
Max continuous Forward Rectified Current @ $T_A=25^\circ C$	I_{MAX}	2	A
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	12	A
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	$T_A=25^\circ C$	0.5
		$T_A=125^\circ C$	2
Maximum Instantaneous Forward Voltage @ $I_F=0.25A$	V_F	1	V
Typical thermal resistance junction to lead	$R_{\theta JL}$	200	°C/W
Operating & Storage Temperature Range	T_J, T_{STG}	-55~150	°C

CHARACTERISTIC CURVES

