

## Features

- Lead Free Finish/RoHS Compliant (Note1) ("P"Suffix Designates Compliant. See Ordering Information)
- Halogen Free. "Green" Device (Note 2)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Ideal For Automated Placement
- High Surge Current Capability

## **Maximum Ratings**

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Typical Thermal Resistance(Note 3): 6°C/W Junction to Case
- Typical Thermal Resistance(Note 3): 12°C/W Junction to Lead
- Typical Thermal Resistance(Note 3): 55°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RTBL406	RTBL406	600V	420V	600V

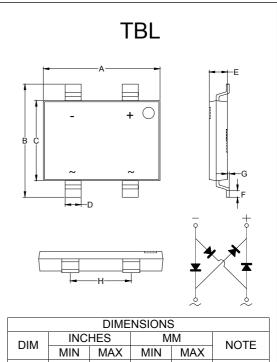
#### Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I <sub>F(AV)</sub>	4.0A	T <sub>C</sub> = 85°C	
Peak Forward Surge Current	I <sub>FSM</sub>	100A	8.3ms, Half Sine	
Maximum Forward Voltage Drop Per Element	V <sub>F</sub>	1.30V	I <sub>FM</sub> = 2.0A; T <sub>J</sub> = 25°C (Note 4)	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I <sub>R</sub>	5μΑ	T <sub>J</sub> = 25°C	
Maximum Reverse Recovery Time	t <sub>rr</sub>	250ns	I <sub>F</sub> =0.5A; I <sub>R</sub> =1.0A; I <sub>rr</sub> =0.25A	
Rating for Fusing	l <sup>2</sup> t	41.5A <sup>2</sup> S	t<8.3ms	

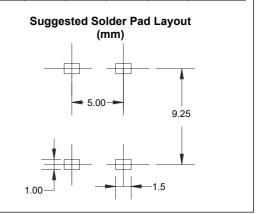
Note: 1. High Temperature Solder Exemption Applied, See EU Directive Annex Notes 7a.

- Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.</li>
- 3. Thermal Resistance Mounted on P.C.B with 30mm\*15mm.\*1.6mm
- 4. Pulse Test: Pulse Width 300usec, Duty Cycle 1%

4 Amp Fast Recovery Glass Passivated Bridge Rectifiers 600 Volts

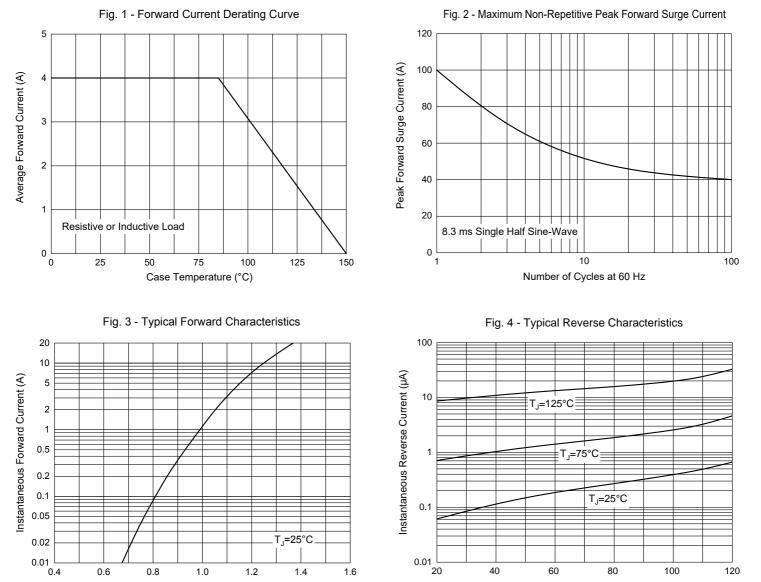


DIMENSIONS						
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX	NOTE	
Α	0.394	0.409	10.00	10.40		
В	0.382	0.398	9.70	10.10		
С	0.268	0.283	6.80	7.20		
D	0.051	0.059	1.30	1.50		
Е	0.055	0.071	1.40	1.80		
F	0.020	0.043	0.50	1.10		
G	0.000	0.006	0.00	0.15		
Н	0.193	0.201	4.90	5.10		





# **Curve Characteristics**



Percent of Rated Peak Reverse Voltage (%)

Instantaneous Forward Voltage (V)



# **Ordering Information**

Device	Packing	
Part Number-TP	Tape&Reel:1.8Kpcs/Reel	

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