

Features

- High Reliability
- Low VF And Low IR
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- Halogen Free. "Green" Device (Note 1)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 667°C/W Junction to Ambient

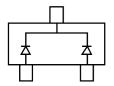
MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	iviaximum	Maximum DC Blocking Voltage
RB715W	3D	40V	30V	40V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Forward Current	I _F	30mA			
Peak Forward Surge Current	I _{FSM}	200mA	Rating of Per Diode (60Hz 1Cyc)		
Forward Voltage	V _F	0.37V(Max)	I _F =1mA		
Reverse Current	I _R	1μA(Max)	V _R = 10V		
Diode Capacitance	C _D	2pF(Typ)	V _R =1V, f=1MHz		

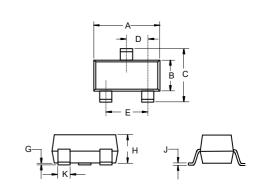
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Internal Structure:



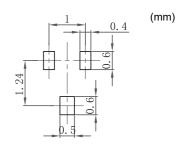
30 mA Schottky Barrier Diode 40 Volts

SOT-523



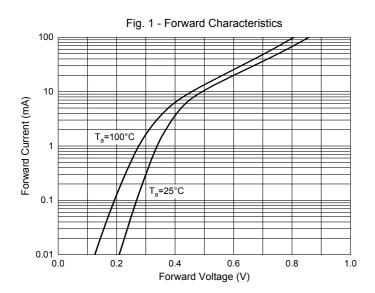
DIMENSIONS						
DIM	INCHES		MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOTE	
Α	0.059	0.067	1.50	1.70		
В	0.030	0.033	0.75	0.85		
С	0.057	0.069	1.45	1.75		
D	D 0.020 Nominal		0.50 Nominal			
Е	0.035	0.043	0.90	1.10		
G	0.000	0.004	0.00	0.10		
Н	0.024	0.031	0.60	0.80		
J	0.004	0.008	0.10	0.20		
K	0.006	0.014	0.15	0.35		

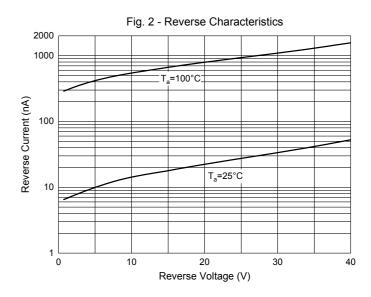
Suggested Solder Pad Layout

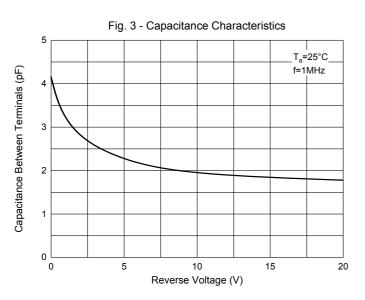


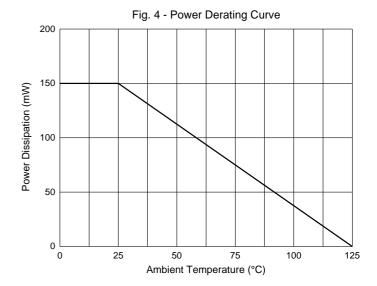


Curve Characteristics











Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel: 3Kpcs/Reel	

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