

Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

- Marking: 2
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Small Surface Mounting Type
- Low Reverse Current and Low Forward Voltage
- High Reliability
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

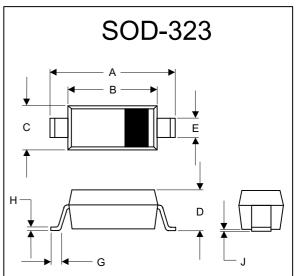
Parameter	Symbol	Value	Unit			
Peak Reverse Voltage	V _{RM}	45	V			
DC Reverse Voltage	V _R	40	V			
Mean Rectifying Current	Ι _ο	100	mA			
Peak Forward Surge Current	I _{FSM}	1	А			
Junction Temperature	TJ	125	°C			
Storage Temperature	T _{STG}	-40 to +125	°C			

Electrical Characteristics @ 25°C Unless Otherwise Specified

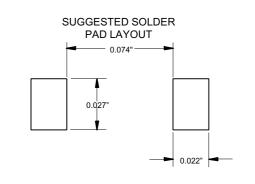
Parameter	Symbol	Min.	Тур.	Max.	Unit
Forward Voltage @ I _F =10mA	V_{F}			0.45	V
Reverse Current @V _R =10V	I _R			1	uA
Capacitance Terminal @V _R =10V, f=1MHz	C⊤		6.0		pF

RB500V-40

0.1 Amp Schottky Barrier Rectifier 40 Volts



	DIMENSIONS					
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX		
Α	.090	.107	2.30	2.70		
В	.063	.071	1.60	1.80		
С	.045	.053	1.15	1.35		
D	.031	.045	0.80	1.15		
Е	.010	.016	0.25	0.40		
G	.004	.018	0.10	0.45		
Н	.004	.010	0.10	0.25		
J		.006		0.15		

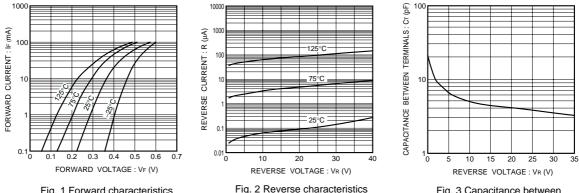


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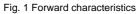
2011/01/01

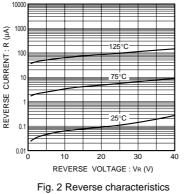
RB500V-40

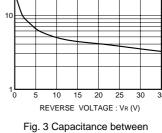




•Electrical characteristic curves (Ta = 25°C)







terminals characteristics



¹⁰⁰ Io CURRENT (%) 80 60 40 20 0**L** 0 25 50 75 100 125 AMBIENT TEMPERATURE : Ta (°C)

Fig. 4 Derating curve (mounting on glass epoxy PCBs)



Ordering Information :

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

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