

200mW SOD-323 SURFACE MOUNT Small Outline Flat Lead Plastic Package Schottky Barrier Diode

Absolute Maximum Ratings $T_A = 25$ °C unless otherwise noted

Symbol	Parameter	Value	Units	
P _D	Power Dissipation	200	mW	
T _{STG}	Storage Temperature Range	-65 to +125	°C	
TJ	Operating Junction Temperature	+125	°C	
V _{RM}	Repetitive Peak Reverse Voltage	40	V	
V _R	Maximum DC Blocking Voltage	40	V	
I _{F(AV)}	Average Forward Rectified Current	100	mA	
I _{FSM}	Peak Forward Surge Current (8.3mS Single Half-wave)	1	А	

These ratings are limiting values above which the serviceability of the diode may be impaired.

SOD-323 Flat Lead

Green Product

Specification Features:

- Low Forward Voltage Drop
- Flat Lead SOD-323 Small Outline Plastic Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode

DEVICE MARKING CODE:

Device Type	Device Marking		
RB501V-40	B4		

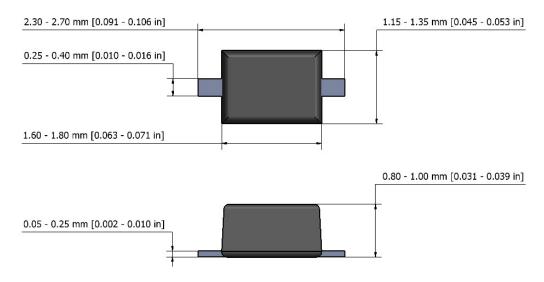
ELECTRICAL SYMBOL

Electrical Characteristics $T_A = 25$ °C unless otherwise noted

Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	Offic
B _v	Breakdown Voltage	I _R =500μA	42		Volts
I _R	Reverse Leakage Current	V _R =40V		100	μΑ
V _F	Forward Voltage	I _F =10mA I _F =100mA		0.340 0.550	Volts



SOD-323 Package Outline



NOTE: The above package outline is similar to JEITA SC-90.

This datasheet presents technical data of Tak Cheong's Schottky Diodes. Complete specifications for the individual devices are provided in the form of datasheets. A comprehensive Selector Guide is included to simplify the task of choosing the best set of components required for a specific application. For additional information, please visit our website http://www.takcheong.com.

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