



RB751V-40

0.03A Surface Mount Schottky Barrier Diode



Voltage Range
40 Volts
0.03 Amperes

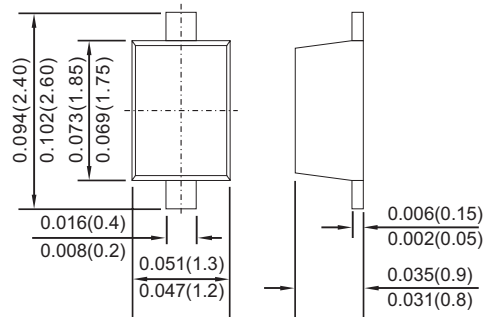
Features

- ✧ Small surface mounting type
- ✧ High reliability
- ✧ Low reverse current and low forward voltage

Mechanical Data

- ✧ Case: SOD-323F, Molded plastic
- ✧ Terminals: Solderable per MIL-STD-202, Method 208
- ✧ Polarity: Cathode band
- ✧ Marking : Date Code and Type Code
Type Code: SA
- ✧ Weight: 0.01 gram

SOD-323F



Dimensions in inches and (millimeters)

Maximum Ratings $T_A=25^{\circ}\text{C}$ unless otherwise specified

Type Number	Symbol	Value	Units
Peak Reverse Voltage	VRM	40	V
DC Reverse Voltage	VR	30	V
Mean Rectified Current	I_O	30	mA
Peak Forward Surge Current *	IFSM	200	mA
Junction Temperature	T_J	125	$^{\circ}\text{C}$
Storage Temperature	T_{STG}	-40 to + 125	$^{\circ}\text{C}$

* 60 Hz for 1

Electrical Characteristics

Type Number	Symbol	Min	Typ	Max	Units
Reverse Leakage Current $VR=30V$	I_R	-	-	0.5	mA
Forward Voltage $IF=1.0mA$	V_F	-	-	0.37	V
Capacitance between terminals $VR=1V, f=1.0MHz$	C_T	-	2.0	-	pF

* ESD sensitive product handling required.

RATINGS AND CHARACTERISTIC CURVES (RB751V-40)

FIG.1- FORWARD CHARACTERISTICS

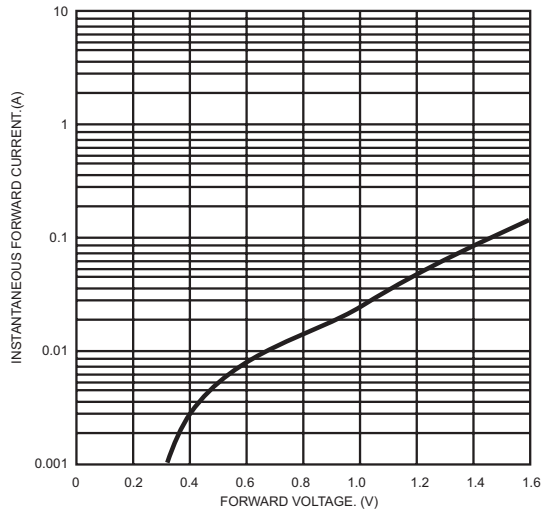


FIG.2- REVERSE CHARACTERISTICS

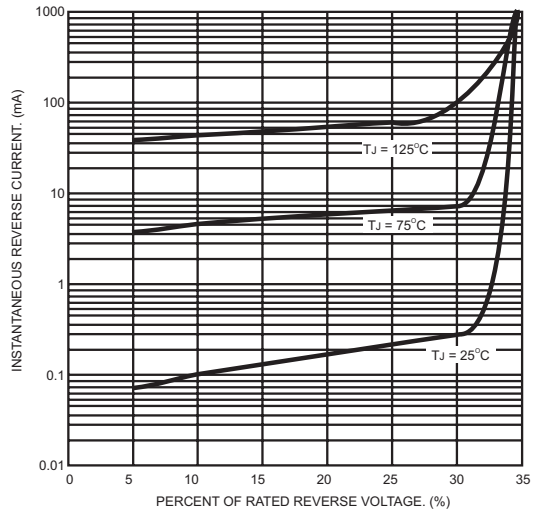


FIG. 3 TYPICAL JUNCTION CAPACITANCE

