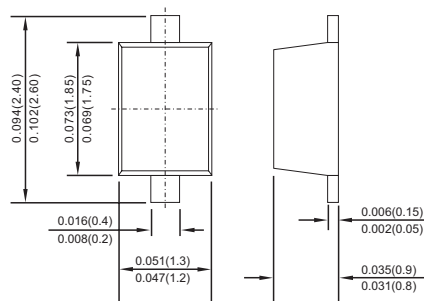


Features

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

Mechanical Data

- ◇ Case: SOD-323F, Molded plastic
- ◇ Terminals: Pure tin plated, lead free.
- ◇ Solderable per MIL-STD-202, Method 208
- ◇ Polarity: Cathode band
- ◇ Marking : Date Code and Type Code
Type Code: SA
- ◇ Weight: 0.01 gram



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 *	I_{FSM}	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 $I_F=1.0mA$	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- MAXIMUM FORWARD CURRENT DERATING CURVE

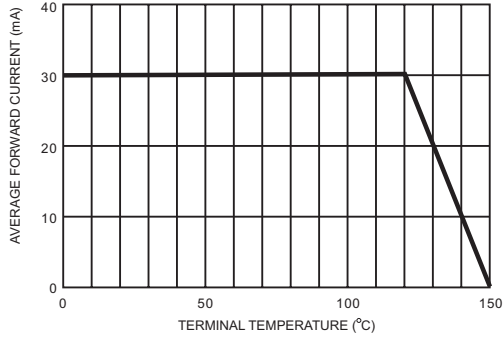


FIG.2- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

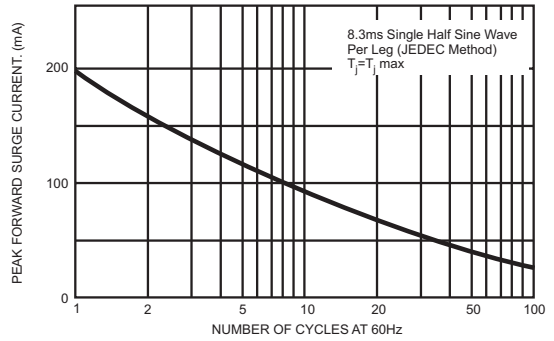


FIG.3- FORWARD CHARACTERISTICS

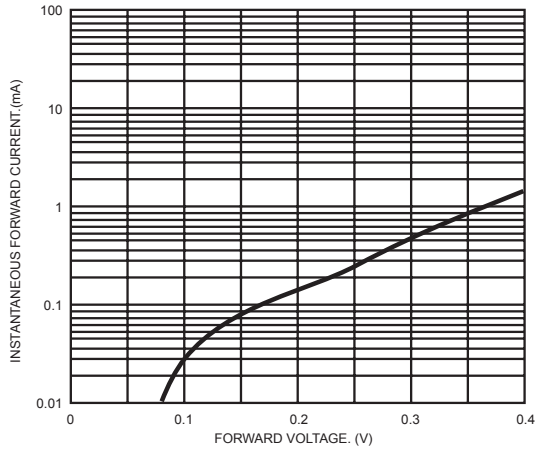


FIG.4- REVERSE CHARACTERISTICS

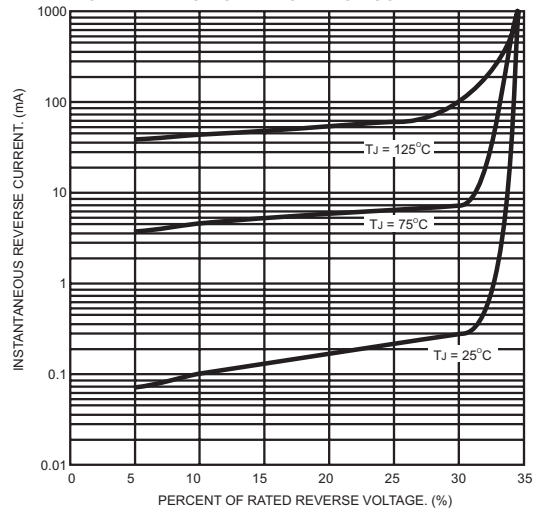


FIG. 5 TYPICAL JUNCTION CAPACITANCE

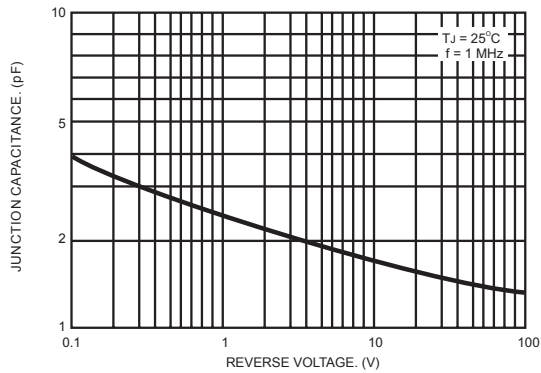


FIG.6- TYPICAL TRANSIENT THERMAL CHARACTERISTICS

