

A suffix of "-C" specifies halogen & lead-free

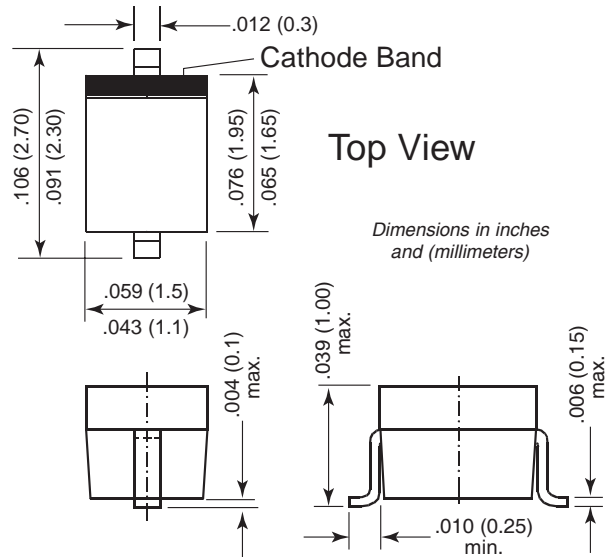
**SOD-323 (SC-76)**

**FEATURES**

- RoHS Compliant Product
- Small Surface Mounting Type
- Low Reverse Current and Low Forward Voltage
- High Reliability
- High Speed Switching

**MECHANICAL DATA**

- Case: Molded Plastic, JEDEC SOD-323(SC-76)
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Indicated by Cathode Band
- Mounting Position: Any
- Weight : 0.000159 ounce, 0.0045 gram



Marking Code: JV, 5

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating 25°C ambient temperature unless otherwise specified.  
Single phase half wave, 60Hz, resistive or inductive load.  
For capacitive load, derate current by 20%.

TYPE NUMBER	CONDITIONS	SYMBOL	Min.	Typ.	Max.	UNITS
Repetitive Peak Reverse Voltage		$V_{RM}$			40	V
Continuous Reverse Voltage		$V_R$			30	V
Forward Voltage	$I_F = 1\text{mA DC}$	$V_F$			0.37	V
Reverse Current	$V_R = 30\text{V DC}$	$I_R$			0.5	$\mu\text{A}$
Mean Rectifying Current		$I_O$			30	mA
Forward Surge Current	8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	$I_{FSM}$		200		mA
Capacitance between terminals	$V_R = 1\text{V}, f = 1\text{MHz}$	$C_T$		2.0		pF
Operating Temperature		$T_J$		125		°C
Storage Temperature		$T_{STG}$	-40		+125	°C

● **RATING AND CHARACTERISTICS CURVES ( SCS751V-40 )**

