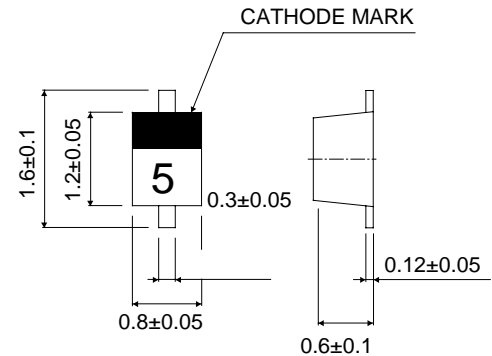


RoHS Compliant Product

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

SOD-523



Dimensions in millimeters

### ● FEATURES

- Small Surface Mounting Type
- Low Reverse Current and Low Forward Voltage
- High Reliability

### ● MECHANICAL DATA

- Case: SOD-523, Molded Plastic
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: See Diagrams Below
- Mounting Position: Any

### ● 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	SYMBOL	SCS751S	UNITS
Maximum Recurrent Peak Reverse Voltage	$V_{RM}$	40	V
DC Reverse Voltage	$V_R$	30	V
Maximum Average Forward Rectified Current	$I_F$	30	mA
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	$I_{FSM}$	200	mA
Maximum Instantaneous Forward Voltage @ $I_F=1.0$ mA	$V_F$	0.37	V
Maximum DC Reverse Current, $T_a=25^\circ\text{C}$ @ $V_R=30$ V	$I_R$	0.5	$\mu\text{A}$
Capacitance Between Terminals, $V_R=1\text{V}$ , $f=1\text{MHz}$	$C_T$	2.0	pF
Operating Temperature Range	$T_J$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	-40 ~ +125	$^\circ\text{C}$

Note: ESD sensitive product handling required

### ● ELECTRICAL CHARACTERISTICS ( Ta=25°C )

