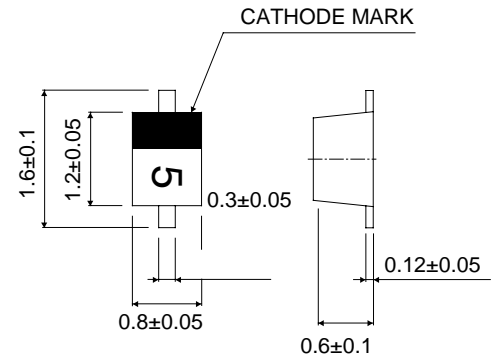


RoHS Compliant Product

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	μA
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)

