Elektronische Bauelemente

SCS751G

VOLTAGE 40V

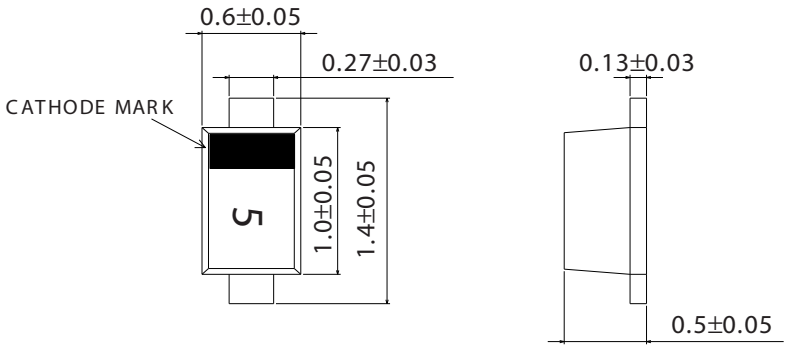
0.03 Amp Surface Mount Schottky Barrier Rectifiers

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

SOD-723

●FEATURES

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



Dimensions in millimeters

●MECHANICAL DATA

- Case: SOD-723, Molded Plastic
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: See Diagrams Below
- Mounting Position: Any

●MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	SYMBOL	SCS751G	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, Ta=25 ℃ @ V_R=30 V	I_R	0.5	μA
Capacitance Between Terminals, V_R=1V, f=1MHz	C_T	2.0	pF
Operating Temperature Range	T_J	125	℃
Storage Temperature Range	T_{STG}	-40 ~ +125	℃

Note: ESD sensitive product handling required

●ELECTRICAL CHARACTERISTICS (Ta=25℃)

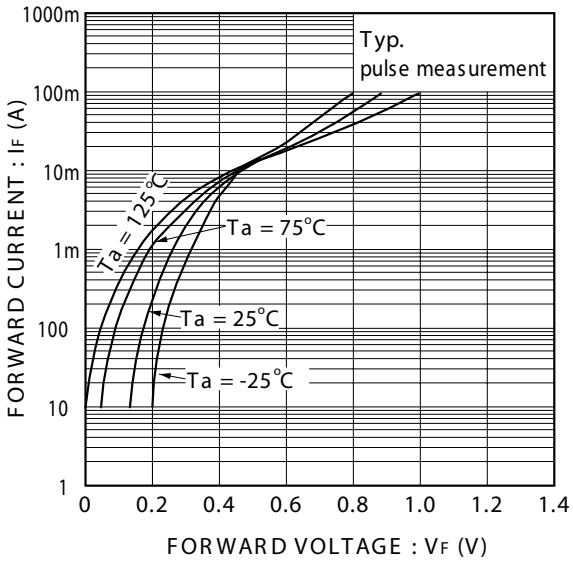


Fig. 1 Forward characteristics

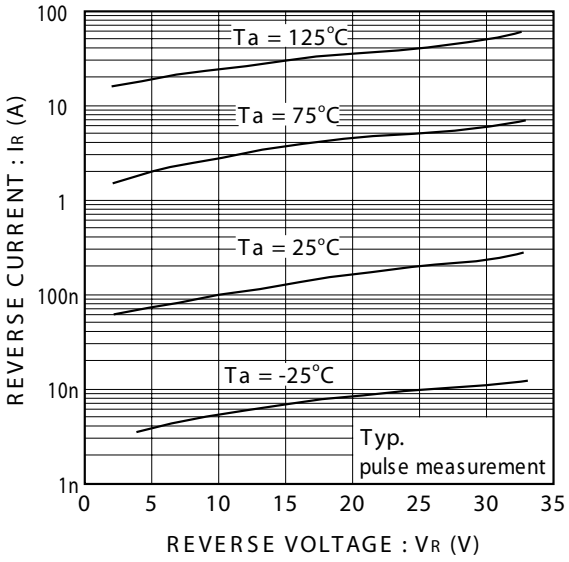


Fig. 2 Reverse characteristics

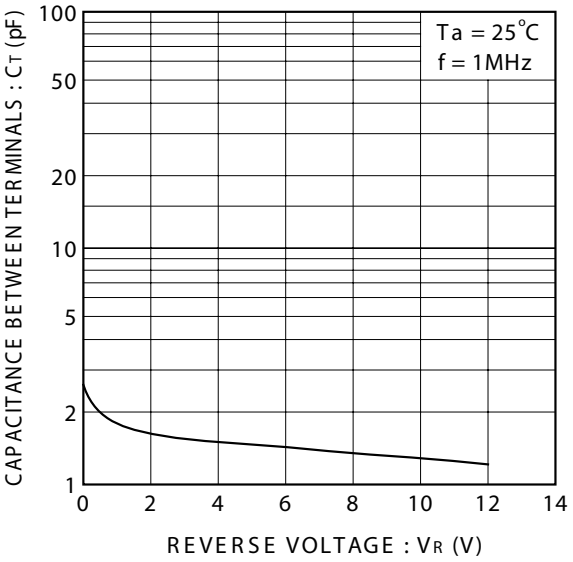


Fig. 3 Capacitance between terminals characteristics