Elektronische Bauelemente

SCS751S

0.03A , 40V

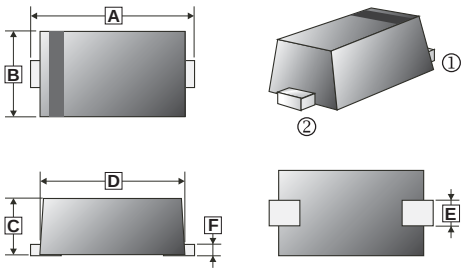
Surface Mount Schottky Barrier Rectifiers

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

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

SOD-523



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.50	1.70	D	1.10	1.30
B	0.70	0.90	E	0.25	0.35
C	0.50	0.77	F	0.07	0.20

MECHANICAL DATA

- Case: SOD-523, Molded Plastic
- Lead: Lead solderable per MIL-STD-202 method 208 guaranteed
- Polarity: See Diagrams Below
- Mounting position: Any

MARKING

5

4B

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOD-523	3K	7 inch

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, de-rate current by 20%.)

Parameter	Symbol	Rating	Unit
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=1mA	V_F	0.37	V
Maximum DC Reverse Current @ V_R=30V	I_R	0.5	μA
Capacitance Between Terminals @ V_R=1V, f=1MHz	C_T	2	pF
Operating Temperature Range	T_J	125	°C
Storage Temperature Range	T_{STG}	-40~125	°C

Notes:
1. ESD sensitive product handling required

RATINGS AND CHARACTERISTIC CURVES

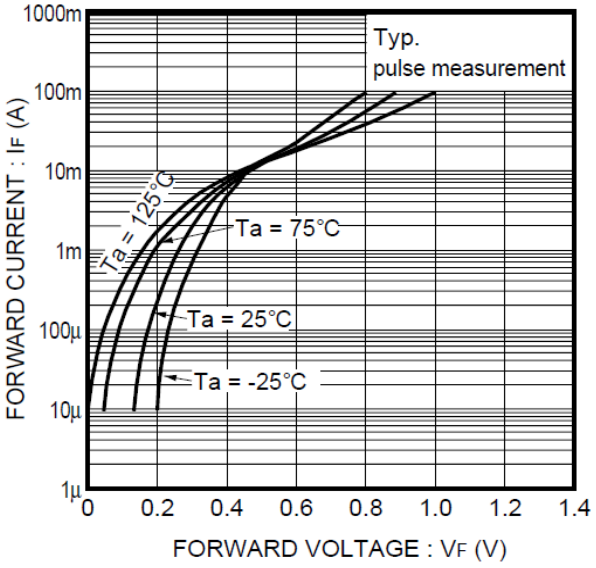


Fig. 1 Forward characteristics

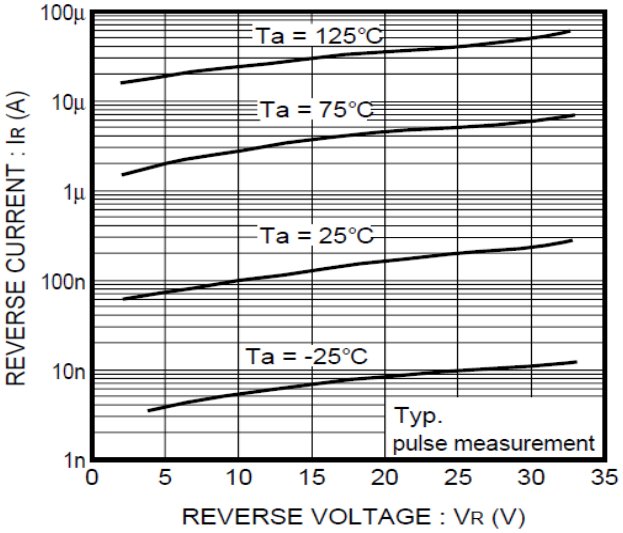


Fig. 2 Reverse characteristics

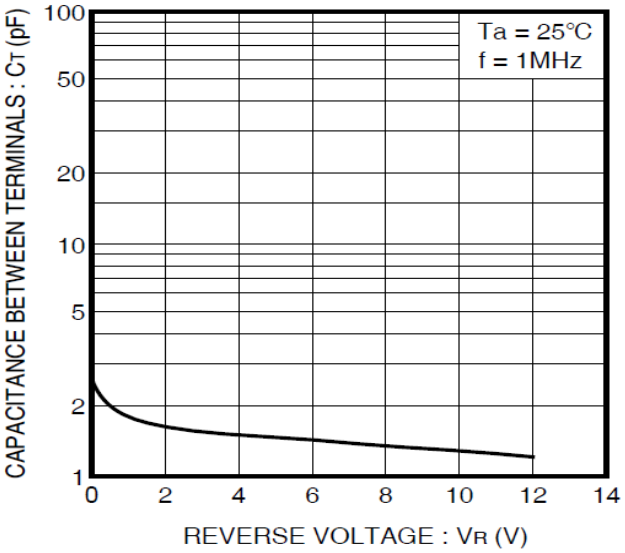


Fig. 3 Capacitance between terminals characteristics