Elektronische Bauelemente

SCS520G

0.1 A , 30 V

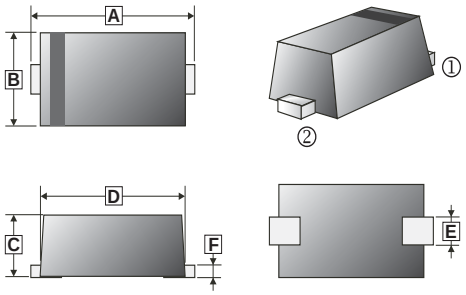
Schottky Barrier Rectifiers

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

FEATURES

- Rectifying small power.
- Ultra small mold type.
- High reliability.
- Silicon epitaxial planer.

SOD-723



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.300	1.500	D	0.800	1.100
B	0.550	0.650	E	0.250	0.350
C	0.515	0.650	F	0.080	0.150

MECHANICAL DATA

- Case: SOD-723,Molded Plastic
- Terminals: Solder per MIL-STD-202 Method 208
- Mounting Position: Any

MARKING CODE

Part Number	Marking Code
SCS520G	E

PACKAGE INFORMATION

Package	MPQ	LeaderSize
SOD-723	8K	7' inch

MAXIMUM RATINGS (T_A = 25°C unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Peak Reverse voltage	V_{RM}	30	V
DC Reverse Voltage	V_R	25	V
Mean Rectifying Current	I_F	100	mA
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	500	mA
Maximum Instantaneous Forward Voltage @ I_F= 10mA	V_F	0.45	V
Maximum DC Reverse Current @ V_R = 10V, T_A=25°C	I_R	0.5	μA
Capacitance between terminals @ V_R =10V, f=1MHz	C_T	4	pF
Operating Temperature Range	T_J	125	°C
Storage temperature	T_{STG}	-40 ~ 125	°C

NOTES:
1. ESD sensitive product handling required.

ELECTRICAL CHARACTERISTICS

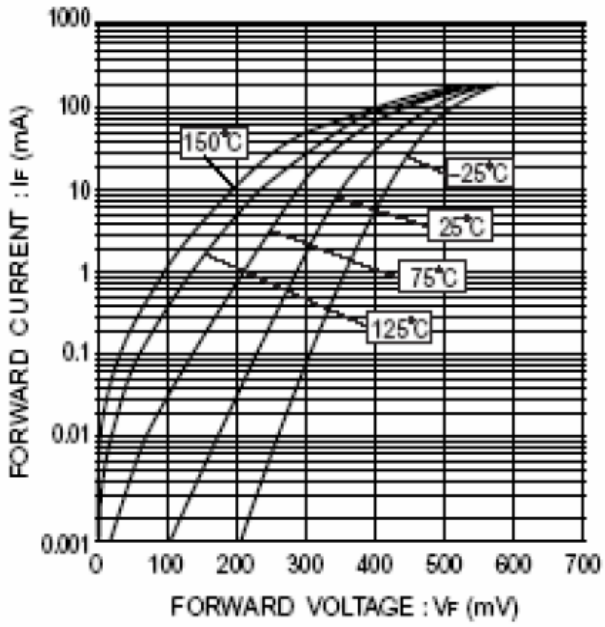


Fig.1 Forward characteristics

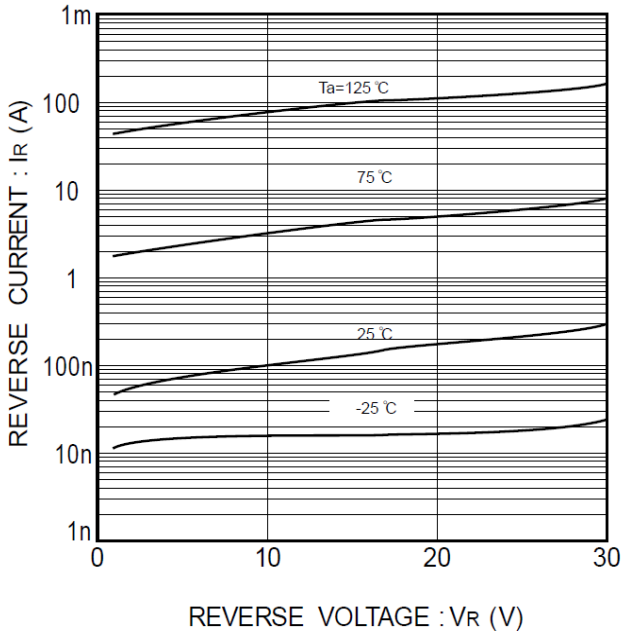


Fig. 2 Reverse characteristics

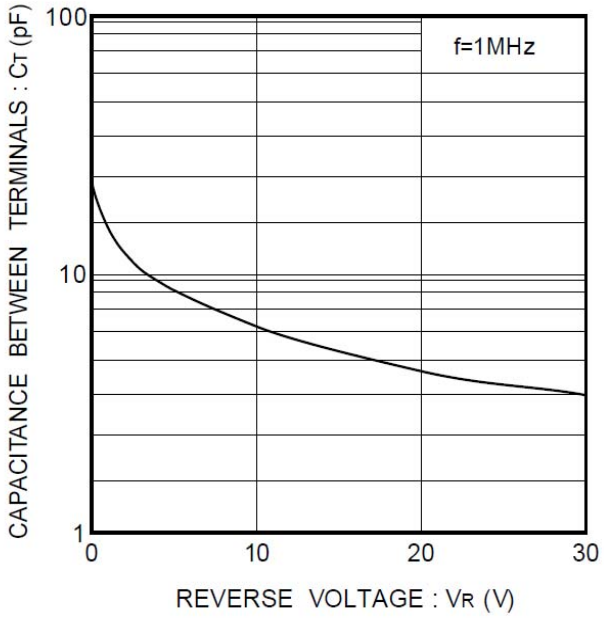


Fig. 3 Capacitance between terminals characteristics

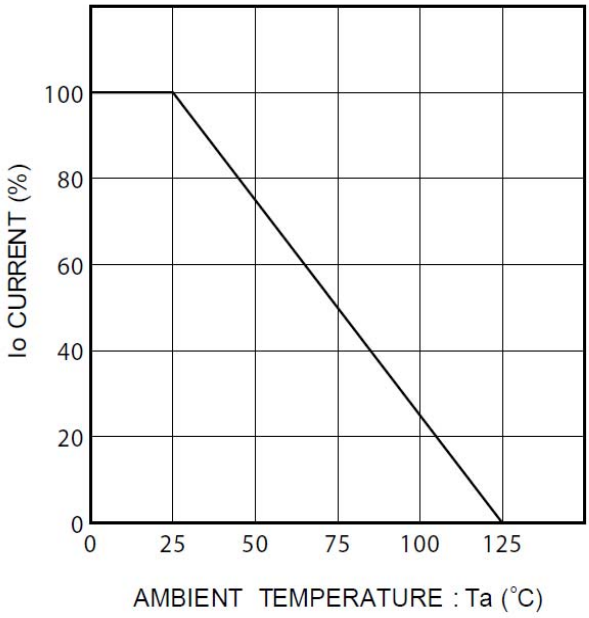


Fig 4. Derating curve
(mounting on glass epoxy PCBs)