

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

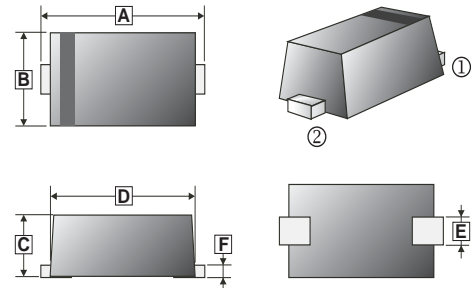
FEATURES

- Small surface mounting type.
- High speed.
- High reliability with high surge current handling capability

SOD-723

MECHANICAL DATA

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



MARKING CODE

Part Number	Marking Code
SCS400G	7

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

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}	90	V
DC Reverse Voltage	V _R	80	V
Peak Forward Current	I _{FM}	225	mA
Mean rectifying current	I _O	100	mA
Peak Forward Surge Current, 1 second single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	500	mA
Maximum Instantaneous Forward Voltage @ I _F =100mA	V _F	1.2	V
Maximum DC Reverse Current @ V _R =80V, T _A =25°C	I _R	0.1	µA
Capacitance between terminals @ V _R =0.5V, f=1MHz	C _T	3	pF
Reverse recovery time @ V _R =6V, I _F =10mA, R _L =100Ω	T _{RR}	4	nS
Operating Temperature Range	T _J	125	°C
Storage temperature	T _{STG}	-55 ~ 125	°C

Notes:

1. ESD sensitive product handling required.

ELECTRICAL CHARACTERISTICS (@ $T_A = 25^\circ\text{C}$)

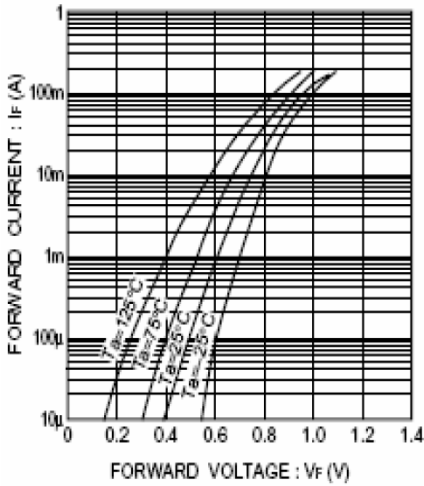


Fig.1 Forward characteristics

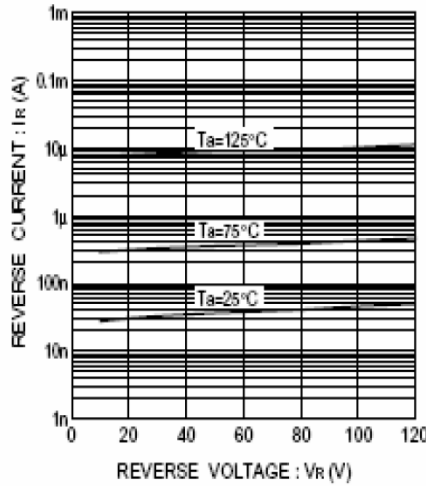


Fig.2 Reverse characteristics

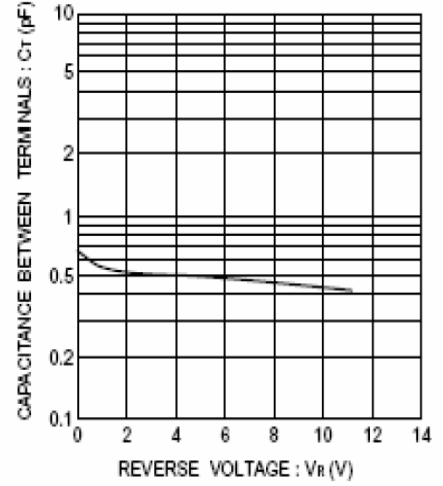


Fig.3 Capacitance between terminals

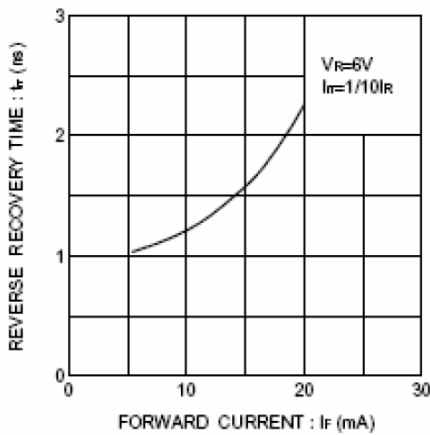


Fig.4 Reverse recovery time characteristics

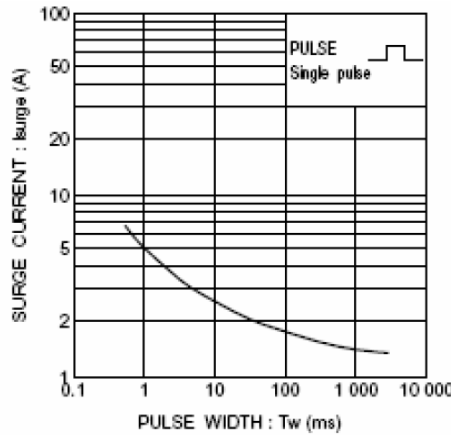


Fig.5 Surge current characteristics

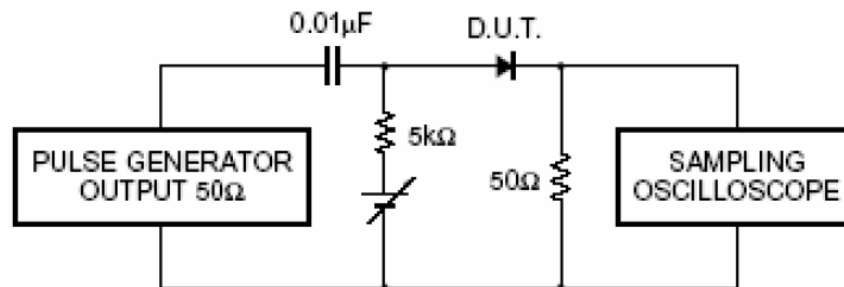


Fig.6 Reverse recovery time (t_r) measurement circuit