SCS495D

VOLTAGE 40V

SC-59 Types

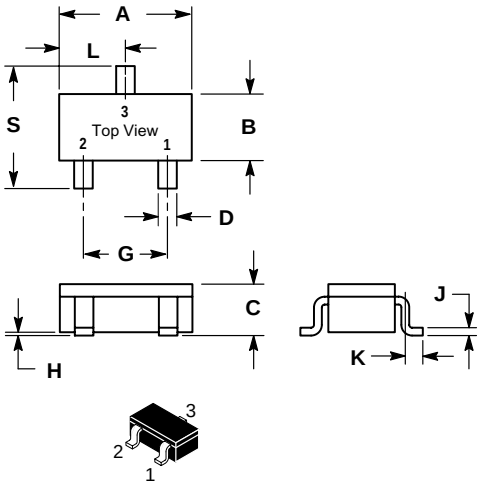
0.4 Amp Surface Mount Schottky Barrier Rectifiers

Elektronische Bauelemente

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

FEATURES

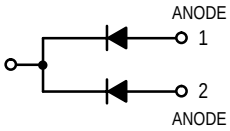
- RoHS Compliant Product
- Low Turn-on Voltage
- Fast Switching
- PN Junction Guard Ring for Transient and ESD Protection



SC-59		
Dim	**Min**	**Max**
A	2.70	3.10
B	1.30	1.70
C	1.00	1.30
D	0.35	0.50
G	1.70	2.30
H	0.00	0.10
J	0.10	0.26
K	0.20	0.60
L	1.25	1.65
S	2.25	3.00
All Dimension in mm		

MECHANICAL DATA

- Case: SOT-346 (SC-59), Molded Plastic
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: See Diagrams Below
- Weight: 0.008 grams (approx.)
- Mounting Position: Any



SCS495D Marking : D3Q, 04F

ABSOLUTE MAXIMUM RATINGS (Ta = 25℃)

PARAMETER	SYMBOL	LIMITS	UNIT
Peak Reverse Voltage	V_{RM}	40	V
DC Reverse Voltage	V_R	25	V
Mean Rectifying Current *1	I_O	0.4	A
Peak Forward Surge Current *2	I_{FSM}	2	A
Junction Temperature	T_J	125	℃
Operating Temperature	T_{OPR}	- 30 ~ + 85	℃
Storage Temperature	T_{STG}	25 ± 5	℃
Storage Humidity	RH	45 ± 5	%

*1 Mean Output Current Per Element: I_O / 2

*2 60Hz for 1

●ELECTRICAL CHARACTERISTICS (Ta = 25 ℃)

PARAMETER	SYMBOL	Min.	Typ.	Max.	UNIT	CONDITIONS
Forward Voltage	V_{F1}	-	-	0.30	V	I_F = 10 mA
	V_{F2}	-	-	0.50	V	I_F = 200 mA
Reverse Current	I_R	-	-	70	μA	V_R = 25 V

Note) ESD Sensitive Product Handling Required.

Elektronische Bauelemente

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●RATING AND CHARACTERISTIC CURVES (Ta = 25 ℃)

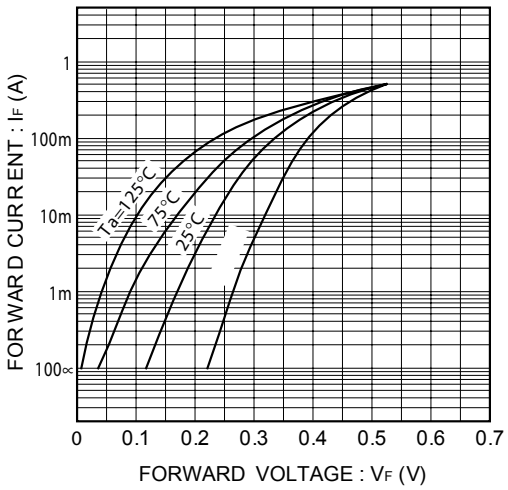

Fig.1 Forward characteristics

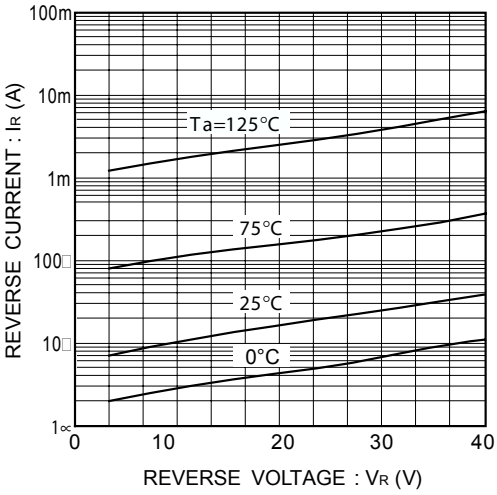

Fig.2 Reverse characteristics

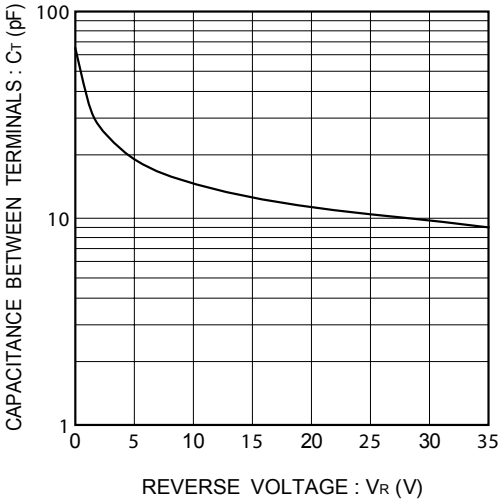

Fig.3 Capacitance between terminals characteristics