Elektronische Bauelemente

SCS494D

0.4 A, 40 V

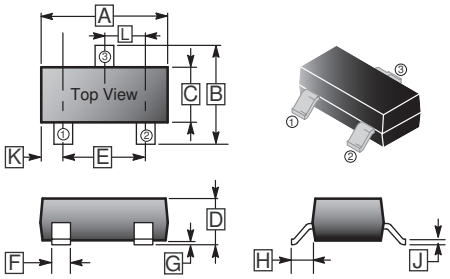
Surface Mount Schottky Barrier Rectifier

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

DESCRIPTION

The SCS494D is designd for low power rectification.

SC-59

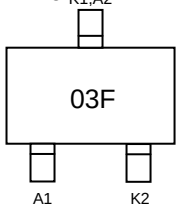


FEATURE

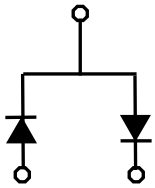
- Two diodes with serial
- High reliability

MARKING CODE

Marking K1,A2



Circuit



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	0.10 REF.	
B	2.25	3.00	H	0.40 REF.	
C	1.30	1.70	J	0.10	0.20
D	1.00	1.40	K	0.45	0.55
E	1.70	2.30	L	0.85	1.15
F	0.35	0.50			

ABSOLUTE MAXIMUM RATINGS at T_A = 25°C

PARAMETER	SYMBOL	RATINGS	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	V
Maximum RMS Voltage	V_{RMS}	28	V
Maximum DC Blocking Voltage	V_{DC}	25	V
Peak Forward Surge Current at 8.3 m Sec single half sine-wave	I_{FSM}	2.0	A
Typical Junction Capacitance between Terminal[1]	C_J	20	pF
Maximum Average Forward Rectified Current	I_O	0.4	A
Total Power Dissipation	P_D	225	mW
Junction, Storage Temperature	T_J, T_{STG}	125, -40~125	℃

ELECTRICAL CHARACTERISTICS (at T_A = 25°C unless otherwise specified)

PARAMETERS	SYMBOL	MIN.	MAX.	UNIT	TEST CONDITIONS
Maximum Instantaneous Forward Voltage	V_{F1}	-	0.3	V	I_{F1} = 10mA
Maximum Instantaneous Forward Voltage	V_{F2}	-	0.5	V	I_{F2} = 200mA
Maximum Average Reverse Current	I_R	-	70	μA	V_R = 25V

Note: 1. Measured at 1.0MHz and applied reverse voltage of 10.0 volts.
2. ESD sensitive product handling required.

RATINGS AND CHARACTERISTIC CURVES

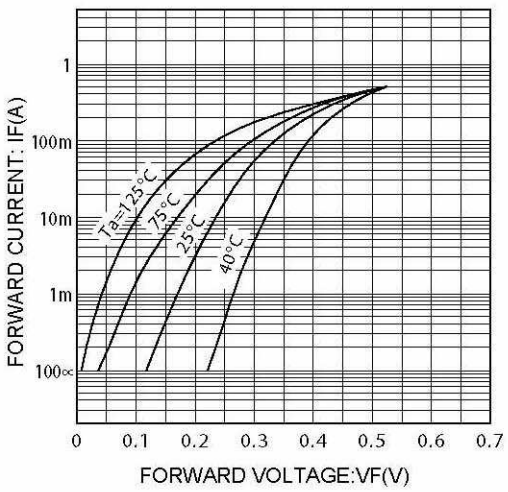


Fig.1Forward characteristics

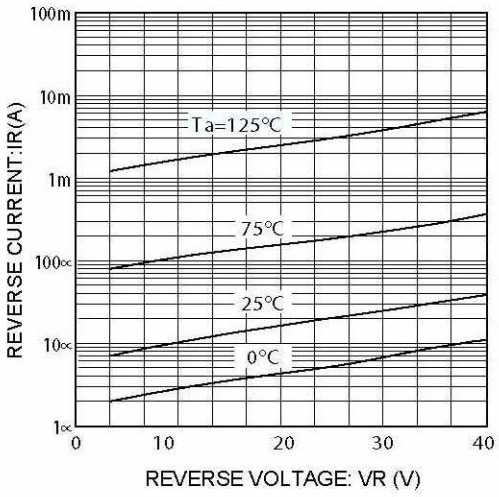


Fig.2Reverse characteristics

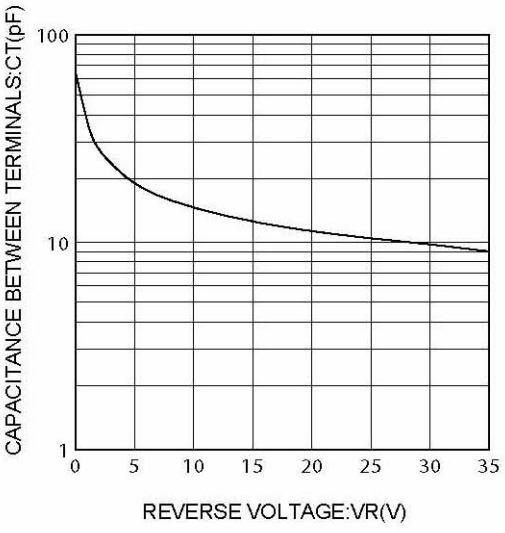


Fig.3Capacitance between terminals characteristics