Elektronische Bauelemente

SCS481N

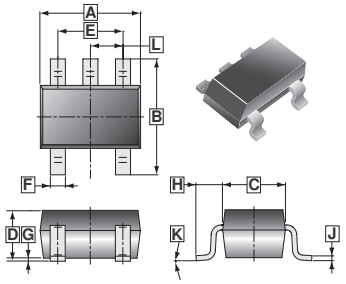
VOLTAGE 30 V, 0.2 A

Schottky Barrier Diode

RoHS Compliant Product

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

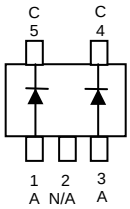
SOT-353



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.00	2.20	G	0.100 REF.	
B	2.15	2.45	H	0.525 REF.	
C	1.15	1.35	J	0.08	0.15
D	0.90	1.10	K	8°	
E	1.20	1.40	L	0.650 TYP.	
F	0.15	0.35			

FEATURES

- Low Current Rectification
- High Reliability



MARKING:3U

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.

TYPE NUMBER	SYMBOL	VALUE	UNIT
Peak Reverse Voltage	V_{RM}	30	V
DC Reverse	V_R	30	V
Peak Forward Surge Current	I_{FSM}	1	A
Mean Rectifying Current	I_O	0.2	A
Junction & Storage Temperature	T_J,T_{STG}	125, -40~125	℃

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	MIN	MAX	UNIT	TEST CONDITION
Forward Voltage	V_F	-	0.28	V	I_F=1mA
		-	0.33	V	I_F=10mA
		-	0.43	V	I_F=100mA
		-	0.5	V	I_F=200mA
Reverse Current	I_R	-	30	μA	V_R=10V

RATINGS AND CHARACTERISTIC CURVES

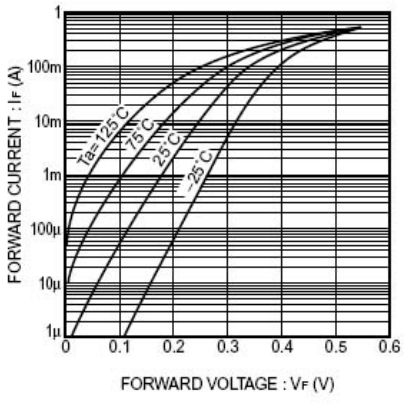


Fig. 1 Forward temperature characteristic

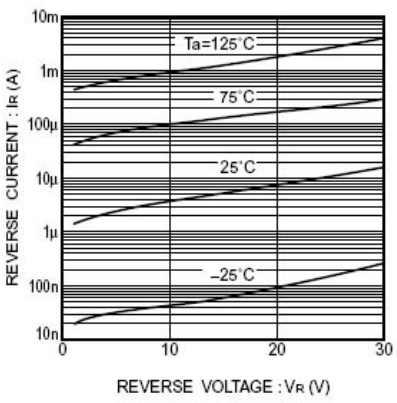


Fig. 2 Reverse temperature characteristic

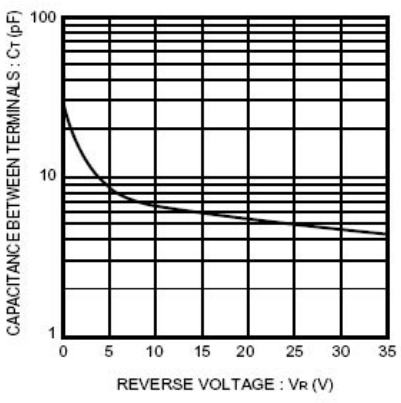


Fig. 3 Capacitance between terminals characteristic