Elektronische Bauelemente

SCS401F

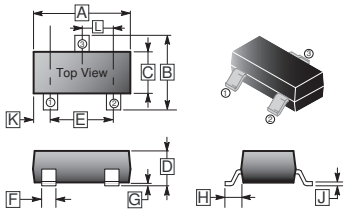
Plastic-Encapsulate Schottky Diode

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

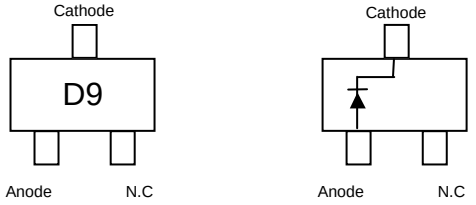
FEATURES

- Low Forward Voltage : V_F=0.38V(Typ.)
- Low Reverse Current : I_R=50μA(Max.)
- Small total Capacitance C_T=46pF(Typ.)

SOT-323



MARKING

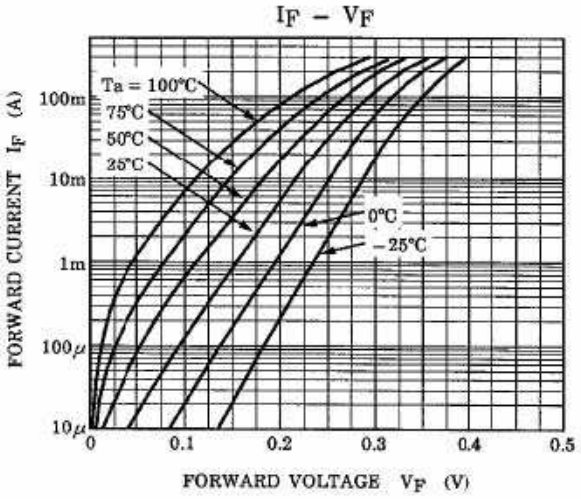
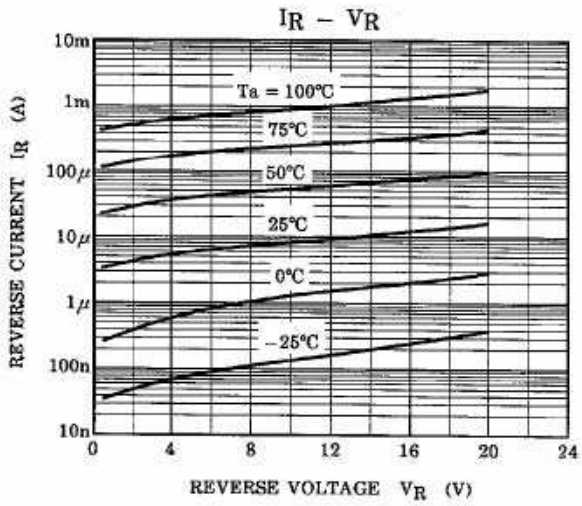
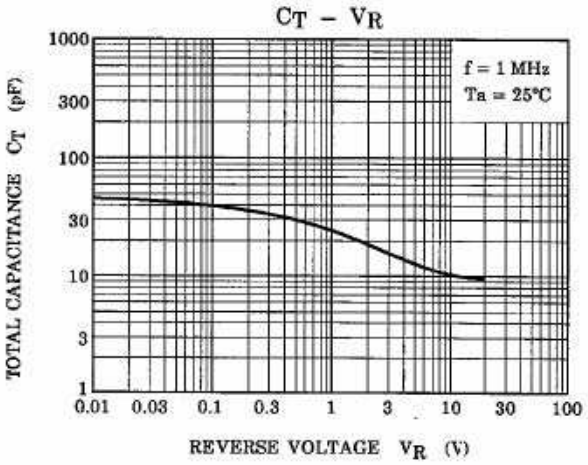
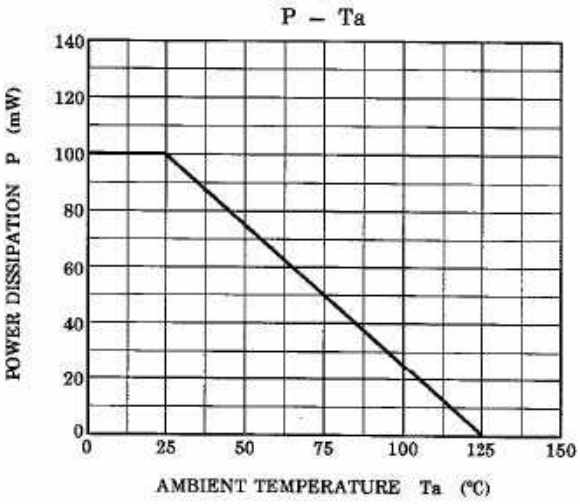


REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.80	2.20	G	0.100 REF.	
B	1.80	2.45	H	0.525 REF.	
C	1.15	1.35	J	0.08	0.25
D	0.80	1.10	K	-	-
E	1.20	1.40	L	0.650 TYP.	
F	0.20	0.40			

ABSOLUTE MAXIMUM RATINGS (Single diode, at Ta = 25°C unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
Non-Repetitive Peak Reverse Voltage	V_{RM}	25	V
Peak Repetitive Peak Reverse Voltage	V_{RRM}	20	V
Working Peak Reverse Voltage	V_{RWM}		
DC Blocking Voltage	V_R		
Forward Continuous Current	I_{FM}	700	mA
Average Rectified Output Current	I_O	300	mA
Power Dissipation	P_D	100	mW
Junction, Storage Temperature	T_J, T_{STG}	125, -55 ~ +125	℃

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

PARAMETERS	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITIONS
Reverse Breakdown Voltage	$V_{(BR)R}$	20	-	-	V	I_R = 100 μA
Forward Voltage	V_{F1}	-	0.16	-	V	I_F = 1mA
	V_{F2}	-	0.22	-	V	I_F = 10mA
	V_{F3}	-	0.38	0.45	V	I_F = 300mA
Reverse Current	I_R	-	-	50	μA	V_R = 20V
Capacitance between Terminals	C_T	-	46	-	pF	V_R = 0, f =1MHz

RATINGS AND CHARACTERISTIC CURVES