

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

FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

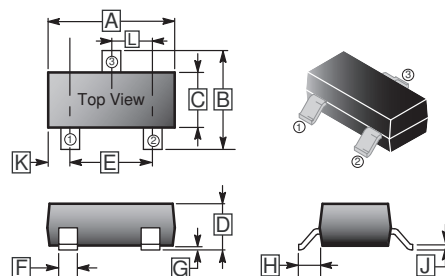
MARKING

10T-
D2E

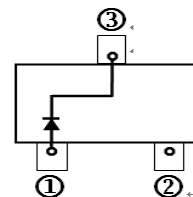
PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-23	3K	7 inch

SOT-23



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.80	3.04	G	0.09	0.18
B	2.10	2.55	H	0.45	0.60
C	1.20	1.40	J	0.08	0.177
D	0.89	1.15	K	0.6 REF.	
E	1.80	2.00	L	0.89	1.02
F	0.30	0.50			



ABSOLUTE MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Rating	Unit
Peak Reverse Voltage	V_{RM}	25	V
DC Reverse Voltage	V_R	20	V
Mean Rectifying Current	I_F	1	A
Peak Forward Surge Current	I_{FSM}	3	A
Junction, Storage Temperature	T_J, T_{STG}	125, -40~125	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A = 25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Min.	Max.	Unit	Test Condition
Forward Voltage	V_F	-	0.45	V	$I_F=1\text{A}$
Reverse Current	I_R	-	200	μA	$V_R=20\text{V}$

RATINGS AND CHARACTERISTIC CURVES

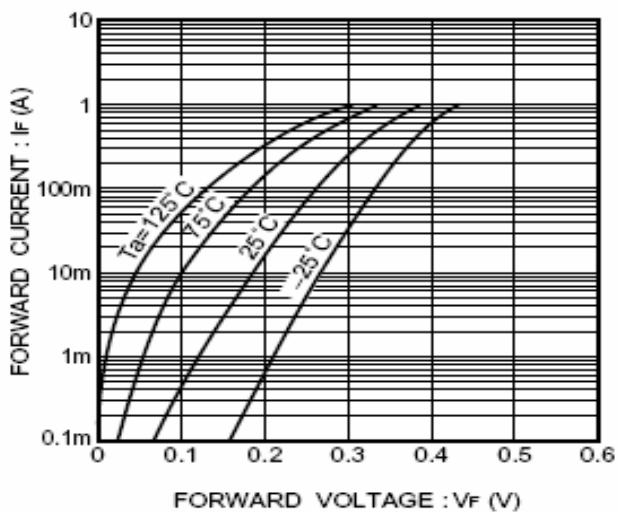


Fig.1 Forward characteristics

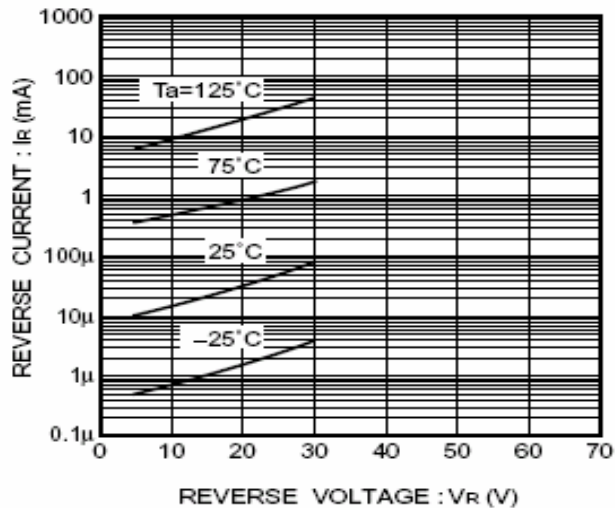


Fig.2 Reverse characteristics