

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

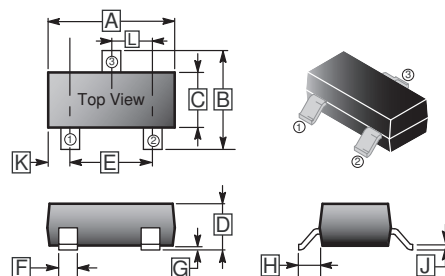
10T-

D2E

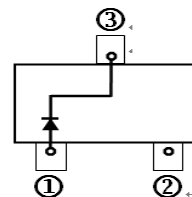
PACKAGE INFORMATION

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°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	°C

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

Parameter	Symbol	Min.	Max.	Unit	Test Condition
Forward Voltage	V _F	-	0.45	V	I _F =1A
Reverse Current	I _R	-	200	µA	V _R =20V

RATINGS AND CHARACTERISTIC CURVES

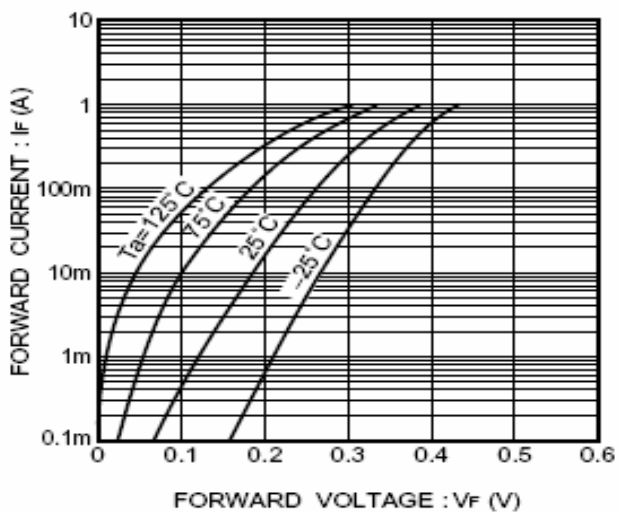


Fig.1 Forward characteristics

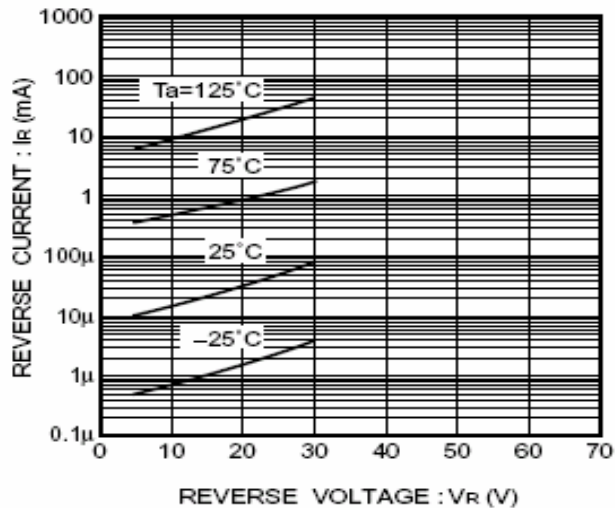


Fig.2 Reverse characteristics