

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

FEATURES

- Small surface mounting type
- Two diode elements are connected in series

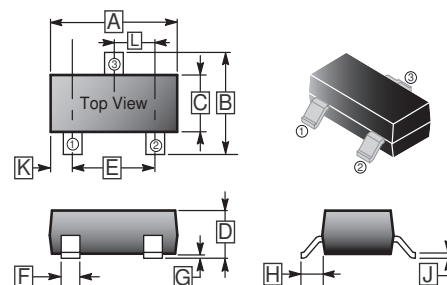
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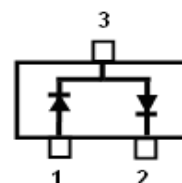
PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-323	3K	7 inch

SOT-323



REF.	Min.	Max.	REF.	Min.	Max.
A	1.05 REF.		E	0.080	0.180
B	0.20 REF.		F	1.15	1.45
C	0.80	1.00	G	1.60	1.80
D	0.25	0.40	H	2.30	2.70



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

Parameter	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	80	V
DC Blocking Voltage	V_R	80	V
Forward Continuous Current	I_{FM}	300	mA
Average Rectified Output Current	I_O	100	mA
Peak Forward Surge Current	@ $t = 1.0\mu\text{s}$	0.4	A
	@ $t = 10\text{ms}$	1	
Power Dissipation	P_D	200	mW
Operating temperature range	T_{opr}	-40~100	$^\circ\text{C}$
Junction & Storage Temperature	T_J, T_{STG}	150, -55~150	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	$V_{(BR)R}$	80	-	V	$I_R=100\mu\text{A}$
Reverse Voltage Leakage Current	I_R	-	0.2	μA	$V_R=70\text{V}$
Forward Voltage	V_F	-	1200	mV	$I_F=100\text{mA}$

CHARACTERISTIC CURVES

