

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

FEATURES

- Small Surface Mounting Type.
- Low V_F .
- High Reliability.

APPLICATION

- Low Power Rectification

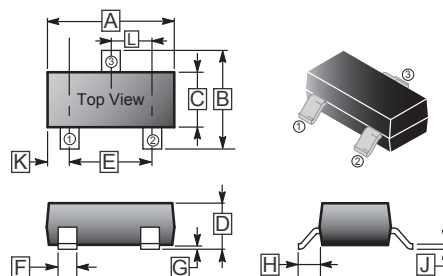
MARKING

D3C

PACKAGE INFORMATION

Package	MPQ	LeaderSize
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	1.78	2.04	L	0.89	1.02
F	0.30	0.50			



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

Parameter	Symbol	Ratings	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	V
Peak Forward Surge Current at 8.3 m Sec single half sine-wave	I_{FSM}	1	A
Maximum Average Forward Rectified Current	I_O	100	mA
Total Power Dissipation	P_D	250	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	400	$^\circ\text{C} / \text{W}$
Junction, Storage Temperature	T_J, T_{STG}	125, -55 ~ 150	$^\circ\text{C}$

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

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Reverse Voltage	$V_{(BR)}$	40	-	-	V	
Maximum Instantaneous Forward Voltage	$V_{F(1)}$	-	-	0.55	V	$I_{F(1)} = 100\text{mA}$
	$V_{F(2)}$	-	-	0.34		$I_{F(2)} = 10\text{mA}$
Maximum Average Reverse Current	I_R	-	-	30	μA	$V_R = 10\text{V}$
Total Capacitance	C_{tot}	-	6	-	pF	$V_R = 10\text{V}, f = 1\text{MHz}$