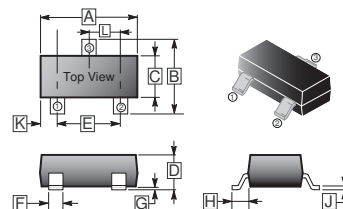


RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

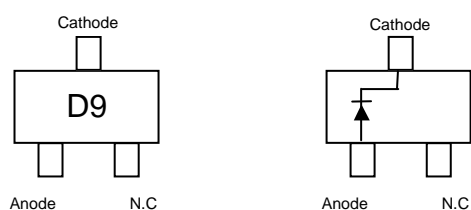
## FEATURES

- Low Forward Voltage :  $V_F=0.38V$ (Typ.)
- Low Reverse Current :  $I_R=50\mu A$ (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 $T_a = 25^\circ C$ 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	$^\circ C$

## ELECTRICAL CHARACTERISTICS (at $T_a = 25^\circ C$ unless otherwise specified)

PARAMETERS	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITIONS
Reverse Breakdown Voltage	$V_{(BR)R}$	20	-	-	V	$I_R = 100 \mu A$
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	$\mu A$
Capacitance between Terminals	$C_T$	-	46	-	pF	$V_R = 0, f = 1MHz$

**RATINGS AND CHARACTERISTIC CURVES**

