

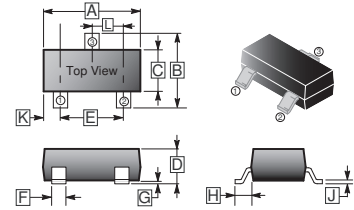
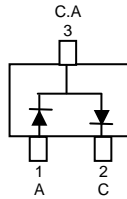
RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

SOT-323

**FEATURES**

- ◆ Small Package
- ◆ Low Forward Voltage:  $V_F = 0.23V(\text{Typ.}) @ I_F = 5mA$

**MARKING: N9**



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			

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating 25°C ambient temperature unless otherwise specified.

TYPE NUMBER	SYMBOL	VALUE	UNIT
Peak Reverse Voltage	$V_{RM}$	15	V
DC Reverse Voltage	$V_R$	10	V
Peak Forward Current	$I_{FM}$	200	mA
Mean Rectifying Current	$I_O$	100	mA
Surge Current (10ms)	$I_{FSM}$	1	A
Power Dissipation	$P_D$	100	mW
Junction & Storage Temperature	$T_J, T_{STG}$	125, -55~125	°C

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	TYP	MAX	UNIT	TEST CONDITION
Forward Voltage	$V_F$	0.18		V	$I_F = 1mA$
		0.3		V	$I_F = 5mA$
			0.5	V	$I_F = 100mA$
Reverse Voltage Leakage Current	$I_R$		20	$\mu A$	$V_R = 10V$
Capacitance between Terminals	$C_T$		40	pF	$V_R = 0, f = 1MHz$

**RATINGS AND CHARACTERISTIC CURVES**

