

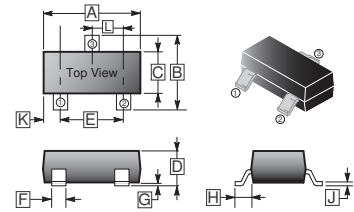
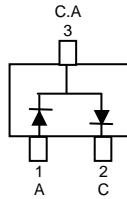
RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

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	μA	$V_R = 10V$
Capacitance between Terminals	C_T		40	pF	$V_R = 0, f = 1MHz$

RATINGS AND CHARACTERISTIC CURVES

