

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

FEATURES

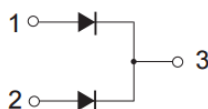
- Extra Small Power Mold Type
- Low VF and Low IR
- High Reliability

APPLICATIONS

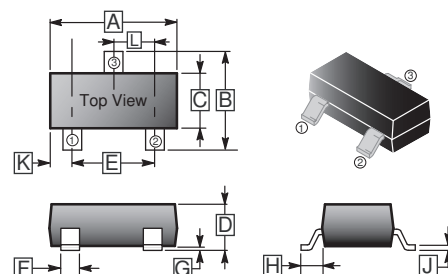
- General Purpose Detection
- High Speed Switching

MARKING:

3D



SOT-323



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.80	3.00	G	0.1 REF.	
B	1.80	2.55	H	0.525 REF.	
C	1.1	1.4	J	0.05	0.25
D	0.80	1.15	K	0.8 TYP.	
E	1.20	2.00	L	0.65 TYP.	
F	0.15	0.50			

ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V _{RM}	40	V
DC Reverse Voltage	V _R	40	V
Non-Repetitive Peak Forward Surge Current @t=8.3mS	I _{FSM}	200	mA
Average Forward Current	I _O	30	mA
Power Dissipation	P _D	200	mW
Thermal Resistance Junction to Ambient	R _{θJA}	500	°C/W
Junction & Storage Temperature	T _J , T _{STG}	125, -55~150	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse Voltage Leakage Current	I _R	-	-	1	μA	V _R =10V
Forward Voltage	V _F	-	-	0.37	V	I _F =1mA
Capacitance Between Terminals	C _T	-	2	-	pF	V _R =1V, f=1MHz

CHARACTERISTIC CURVES

