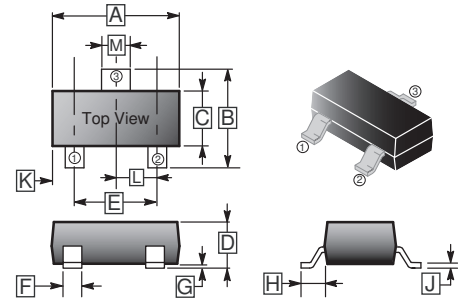


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Low Forward Voltage Drop
- Guard Ring Construction for Transient Protection
- Bias circuits
- Protection circuits

SOT-523



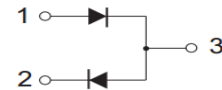
MARKING:

K

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-523	3K	7 inch

REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.5	1.7	G	-	0.1
B	1.45	1.75	H	0.55 REF.	
C	0.75	0.85	J	0.1	0.2
D	0.7	0.9	K	-	
E	0.9	1.1	L	0.5 TYP.	
F	0.15	0.25	M	0.25	0.325



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

Parameter	Symbol	Ratings	Unit
Peak Repetitive Peak reverse voltage	V _R RM	20	V
DC Blocking Voltage	V _R	20	V
Maximum peak forward current	I _{FM}	200	mA
Average forward current	I _O	100	mA
Power Dissipation	P _D	150	mW
Storage temperature	T _J , T _{STG}	150, -55~150	°C

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

Parameter	Symbol	Min.	Max.	Unit	Teat Conditions
Reverse breakdown voltage	V _{(BR)R}	20	-	V	I _R = 100µA
Reverse voltage leakage current	I _R	-	0.1	µA	V _R =15V
Forward voltage	V _F	-	1	V	I _F =10mA

CHARACTERISTIC CURVES

