

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

FEATURES

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance

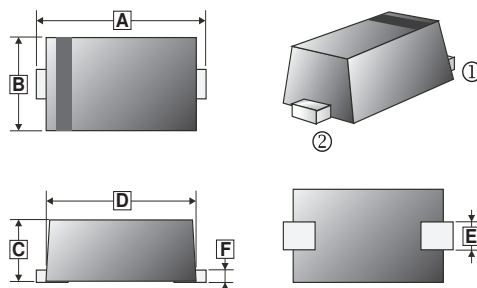
MARKING

G

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOD-523	8K	7 inch

SOD-523



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.50	1.70	D	1.10	1.30
B	0.70	0.90	E	0.25	0.35
C	0.50	0.77	F	0.07	0.20

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

Parameter	Symbol	Ratings	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	85	V
DC reverse voltage	V _R	80	V
Peak forward current	I _{FM}	200	mA
Average Rectified Output Current	I _O	100	mA
Surge current (t=10ms)	I _{SURGE}	1	A
Junction, Storage Temperature	T _J , T _{STG}	150, -55 ~ 150	°C

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

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse Voltage Leakage Current	I _R	-	-	0.1	μA	V _R =30V
		-	-	0.5		V _R =80V
Forward Voltage	V _F	-	0.62	-	V	I _F = 1mA
		-	0.75	-		I _F = 10mA
		-	-	1.2		I _F = 100mA
Total capacitance	C _{tot}	-	-	3	pF	V _R =0, f=1MHz
Reverse Recovery Time	t _{RR}	-	-	4	nS	I _F =10mA, V _R =6V, R _L =100Ω