WEITRON

WSD751G

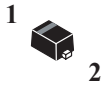
Surface Mount Schottky Barrier Diodes

Lead(Pb)-Free

SMALL SIGNAL
SCHOTTKY DIODES
30m AMPERES
40 VOLTS

Feature:

* Extrmely High Switching Speed.
* Low Forward Voltage and Low Reverse Current.
* High Reliability.
* Schottky Barrier Diodes Encapsulated in a SOD-723 Package.



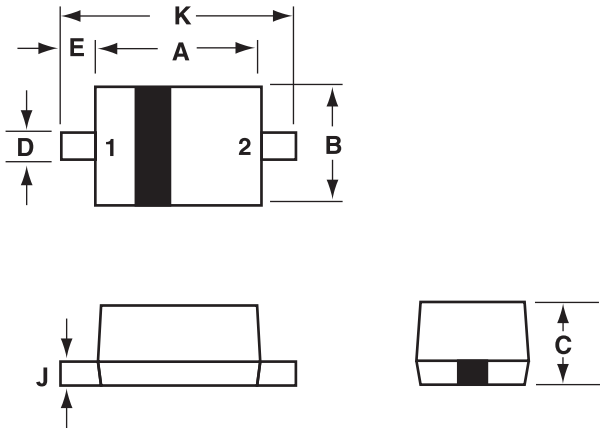
SOD-723

Description:

These schottky barrier diodes are designed for high speed switching applications circuit protection, and voltage clamping, Extremely low forward voltage reduces conduction loss, Miniature surface mount package is excellent for hand held and portable applications where space is limited.

SOD-723 Outline Dimensions

Unit:mm



SOD-723		
Dim	Min	Max
A	0.95	1.05
B	0.55	0.65
C	0.45	0.55
D	0.24	0.30
E	0.15	0.25
J	0.10	0.16
K	1.35	1.45

PIN 1. CATHODE
2. ANODE

Maximum Ratings (T_A=25˚C Unless otherwise noted)

Characteristic	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	40	V
DC Reverse Voltage	V_R	30	V
Average Rectifier Forward Current	I_O	30	mA
Peak Forward Surge Current (1)	I_{FSM}	200	mA
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	600	°C/W
Power Dissipation	P_D	150	mW
Operation Junction Temperature Range	T_J	125	˚C
Storage Temperature Range	T_{stg}	-40 to +125	˚C

Note.1 : 60Hz, 1cyc

Electrical Characteristics (T_A=25˚C Unless otherwise noted)

Characteristic	Symbol	Min	Typ	Max	Unit
Forward Voltage I_F=1.0mA	V_F	-	-	0.37	V
Reverse Leakage V_R=30V	I_R	-	-	0.5	μA
Capacitance Between Terminals V_R=1.0V, f=1MHz	C_T	-	2.0	-	pF

Device Marking

Item	Marking	Eqivalent Circuit diagram
WSD751G	5	

Electrical Characteristic Curves (T_A=25°C)

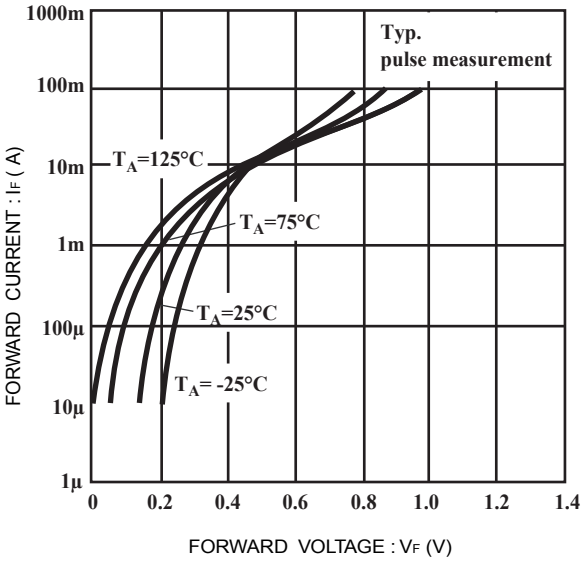


FIG.1 Forward Characteristics

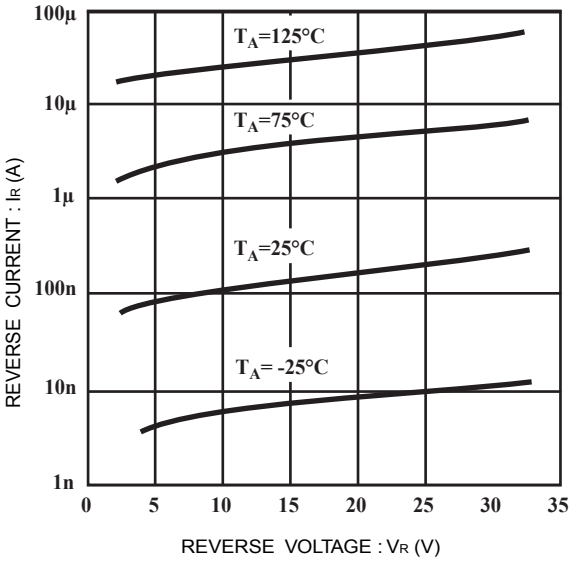


FIG.2 Reverse Characteristics

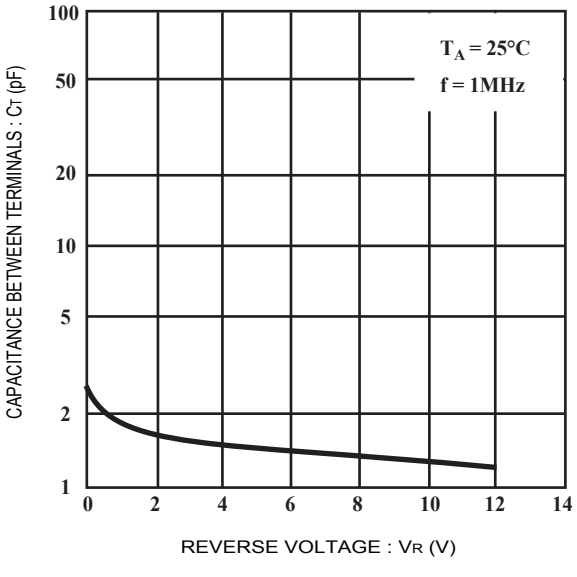


FIG.3 Capacitance Between Terminals Characteristics