



WSD495

Surface Mount Schottky Barrier Diode

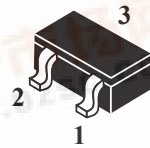
Features:

- *High Reliability
- *Fast Switching
- *PN Junction Guard Ring for Transient and ESD Protection

MECHANICAL DATA

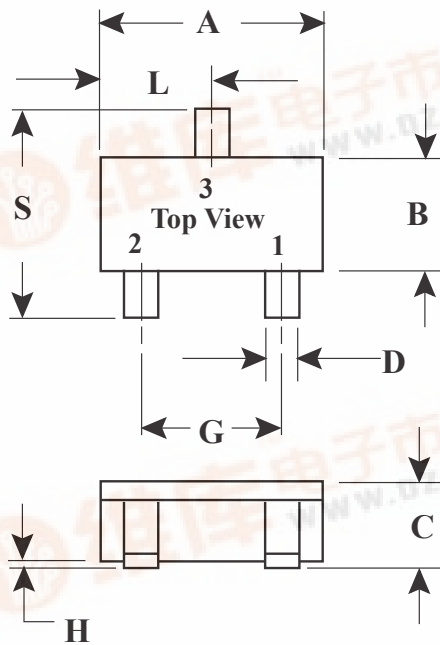
- *Case : SOT-346, Molded Plastic
- *Terminals : Solderable per MIL-STD-202, Method 208
- *Polarity : See Diagrams Below
- *Weight : 0.008 grams (approx.)
- *Mounting Position : Any

**SCHOTTKY BARRIER
RECTIFIERS
400mAMPERES
40VOLTS**



SC-59

SC-59 Outline Dimension



SC-59		
Dim	Min	Max
A	2.70	3.10
B	1.30	1.70
C	1.00	1.30
D	0.35	0.50
G	1.70	2.30
H	0.00	0.10
J	0.10	0.26
K	0.20	0.60
L	1.25	1.65
S	2.25	3.00
All Dimension in mm		


Maximum Ratings (T_J=25°C Unless otherwise noted)

Characteristic	Symbol	WSD495	Unit
Reverse Voltage	V _R	40	Volts
Average Rectifier ⁽¹⁾ Forward Current	I _{F(AV)}	400	mA
Peak Forward Surge Current ⁽²⁾	I _{FSM}	2.0	A
Operating Junction Temperature Range	T _J	-40 to +125	°C
Storage Temperature Range	T _{stg}		

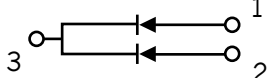
Electrical Characteristics (T_A=25°C Unless otherwise noted)

Characteristic	Symbol	Min	Max	Unit
Reverse Breakdown Voltage (I _R =100μA)	V _{(BR)R}	40	-	Volts
Forward Voltage I _F =10mA I _F =200mA	V _F	-	0.30 0.50	Volts
Reverse Leakage V _R =10V	I _R	-	70	μA _{dc}

NOTE:

1. Mean Output Current Per Element: I_{F(AV)}/2
2. 60HE for 1 

Device Marking

Item	Marking	Equivalent Circuit diagram
WSD495	04F	

Electrical characteristic curves (Ta=25°C)

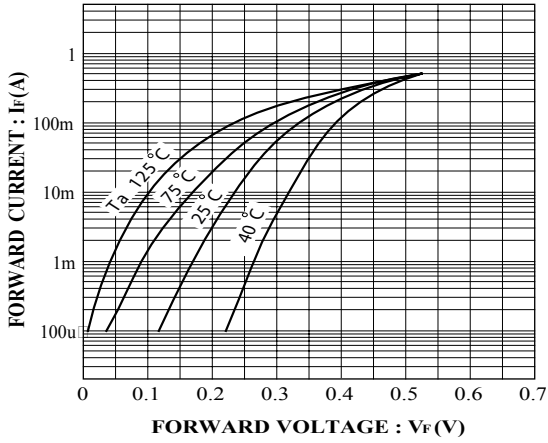


Fig.1 Forward characteristics

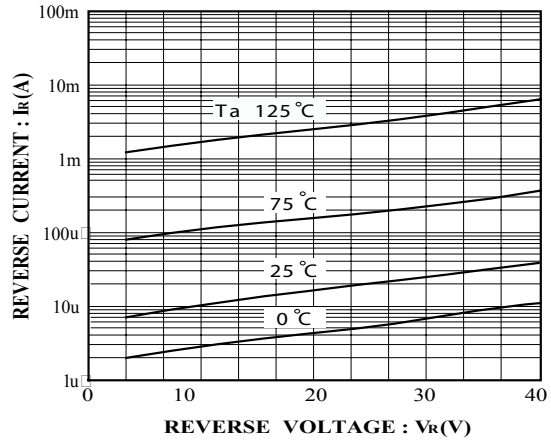


Fig.2 Reverse characteristics

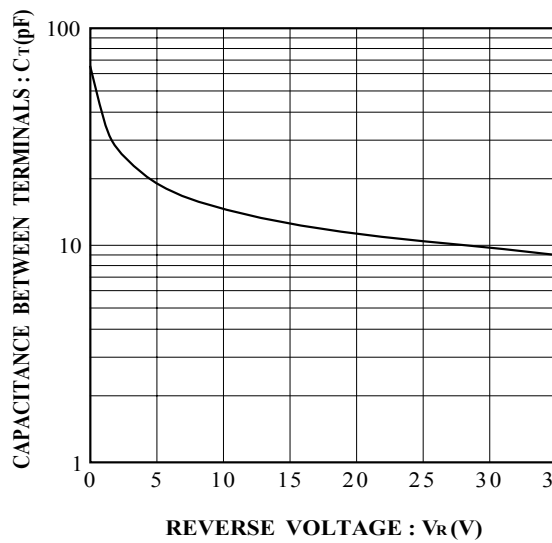


Fig.3 Capacitance between terminals characteristics