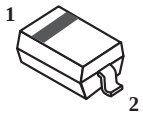
WEITRON

B160W-40

Surface Mount Schottky Barrier Diodes

Lead(Pb)-Free

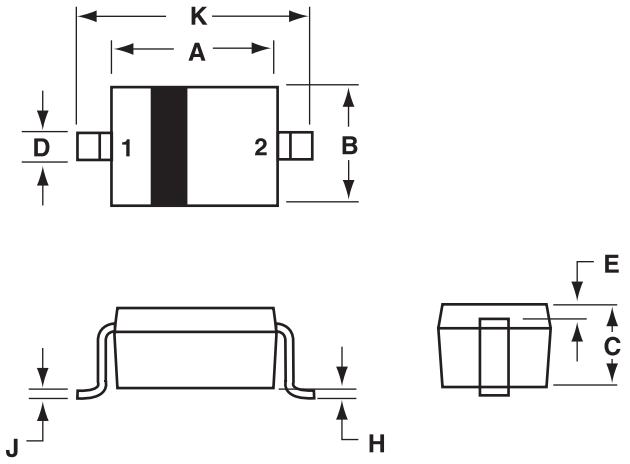
SMALL SIGNAL
SCHOTTKY DIODES
1000m AMPERES
40 VOLTS



SOD-123

SOD-123 Outline Dimensions

Unit:mm



SOD-123		
Dim	**Min**	**Max**
A	2.55	2.85
B	1.40	1.80
C	0.95	1.35
D	0.50	0.70
E	0.30 REF	
H	-	0.10
J	-	0.15
K	3.55	3.85

PIN 1. CATHODE
2. ANODE

Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25℃

Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	40	V
Mean rectifying current	I_O	1	A
Peak forward surge current	I_{FSM}	30	A
Junction temperature	T_j	150	℃
Storage temperature	T_{stg}	-40-125	℃

Electrical Ratings @T_A=25℃

Parameter		Symbol	Min.	Typ.	Max.	Unit
Forward voltage	I_F=1A	V_F			0.51	V
Reverse current	V_R=40V	I_R			30	μA

Device Marking

B160W-40 = 74

Typical Characteristics

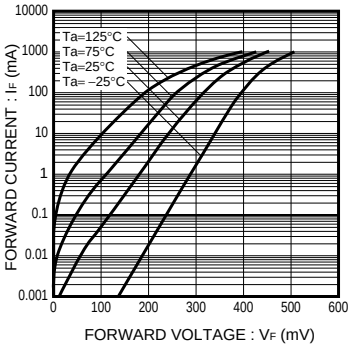


Fig.1 Forward Temperature Characteristics

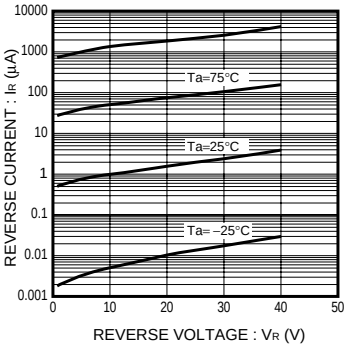


Fig.2 Reverse Temperature Characteristics

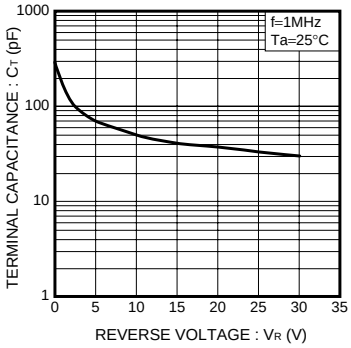
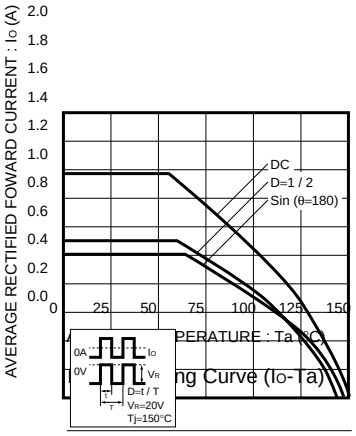


Fig.3 Capacitance Between Terminals Characteristics



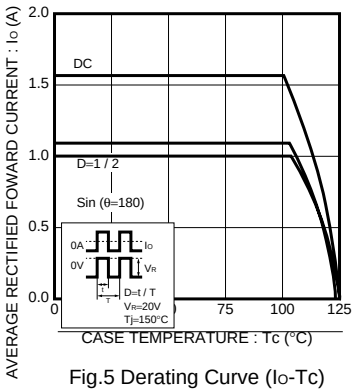


Fig.5 Derating Curve (IO-Tc)