■Silicon Schottky Barrier Diode

Pinning

1.Cathode	2.Anode

SOD-123

■ Features

- Metal silicon unction, maority carrier conduction
- Ideal for used in detection or for switching on the radio, TV, etc.

Marking Code	
1N60PW	FM

■ Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

Parameter	Symbols	1N60PW	Units
Peak Reverse Voltage	V_{RM}	45	V
Reverse Voltage	V_R	20	V
Average Rectified Output Current	I_O	50	mA
Peak Forward Current	I_{FM}	150	mA
Surge Forward Current	I_{surge}	500	mA
Forward Current at V_F=1V	I_F	4	mA
Reverse Current at V_R=10V	I_R	50	uA
Total Capacitance at f=1MHz,V=-1V	C_{tot}	1	pF
Rectification efficiency at Vi = 2 V_{RMS}, R = 5 KΩ	η	55	%
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	-55 ~ +150	°C

Fig.1 Forward Characteristics

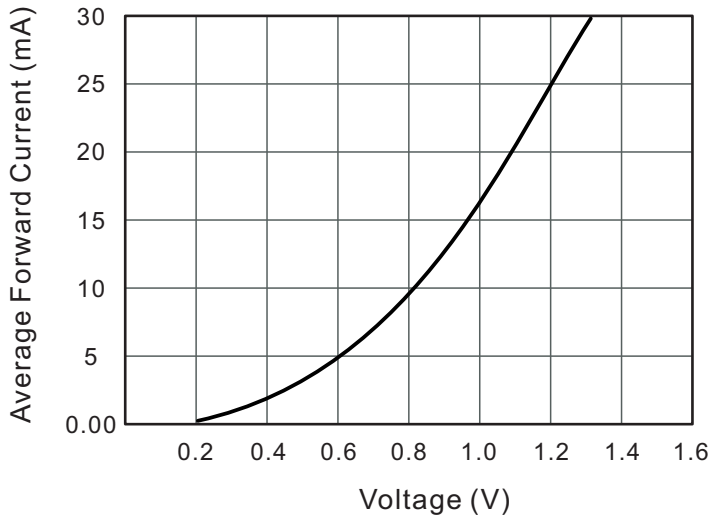
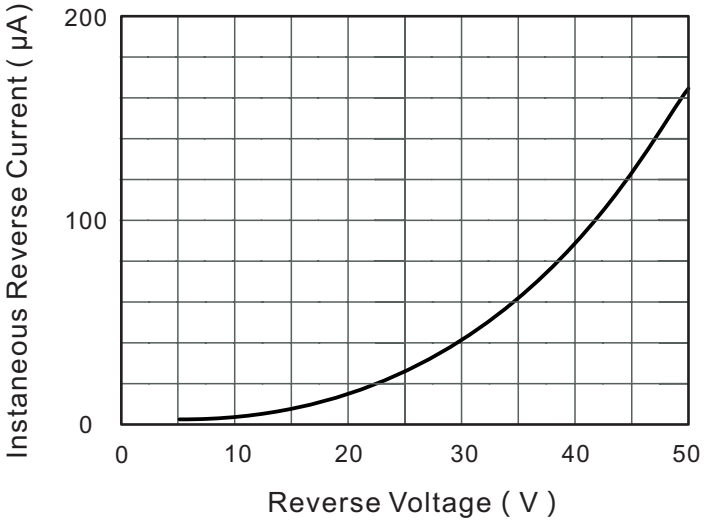


Fig.2 Typical Reverse Characteristics

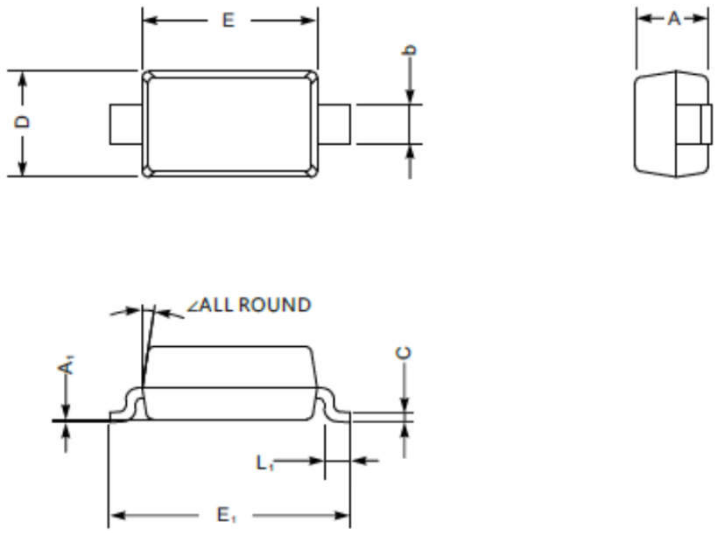


Ordering information

Package	Packing Description	Packing Quantity
SOD-123	Tape/Reel,7"reel	3000PCS/Reel 120000PCS/Carton

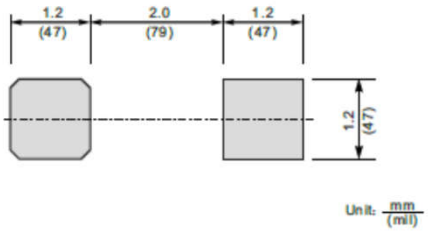
Package Dimensions

SOD-123



Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.9	1.3	35	51
C	0.09	0.22	3.5	8.7
D	1.5	1.8	59	71
E	2.5	2.8	98	110
E1	3.6	3.9	142	154
b	0.5	0.7	20	28
L1	0.25	0.45	10	18
A1	-	0.2	-	8
∠	9°			

The recommended mounting pad size



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