



### Silicon Schottky Barrier Diode

#### FEATURES

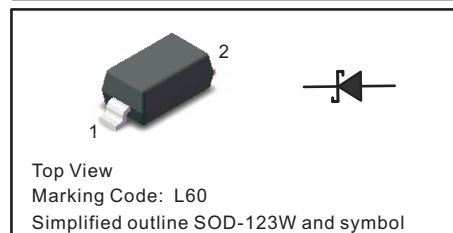
- Metal silicon junction, majority carrier conduction
- Ideal for used in detection or for switching on the radio, TV, etc.

#### MECHANICAL DATA

- Case: SOD-123W
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 16mg/0.00056oz

#### PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



#### Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

Parameter	Symbols	LL60PW	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 $f = 1MHz, V_R = 1V$	$C_{tot}$	38	pF
Rectification efficiency at $V_i = 2 V_{RMS}, R = 5 K\Omega$	$\eta$	55	%
Junction Temperature	$T_j$	125	°C
Storage Temperature Range	$T_{stg}$	-55 ~ +150	°C

Fig.1 Forward Characteristics

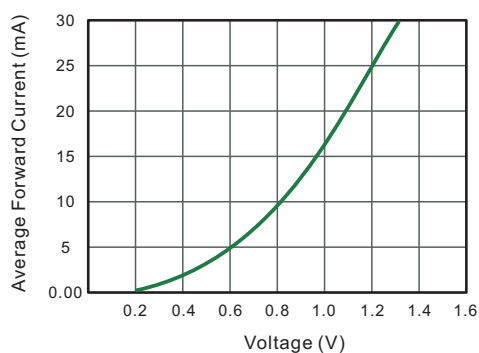
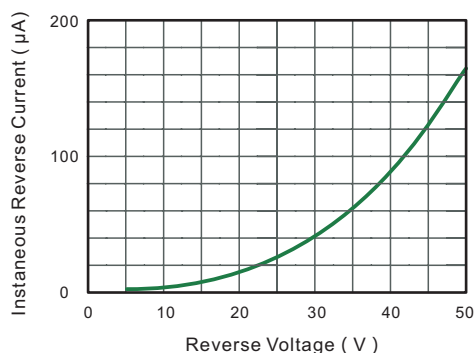


Fig.2 Typical Reverse Characteristics

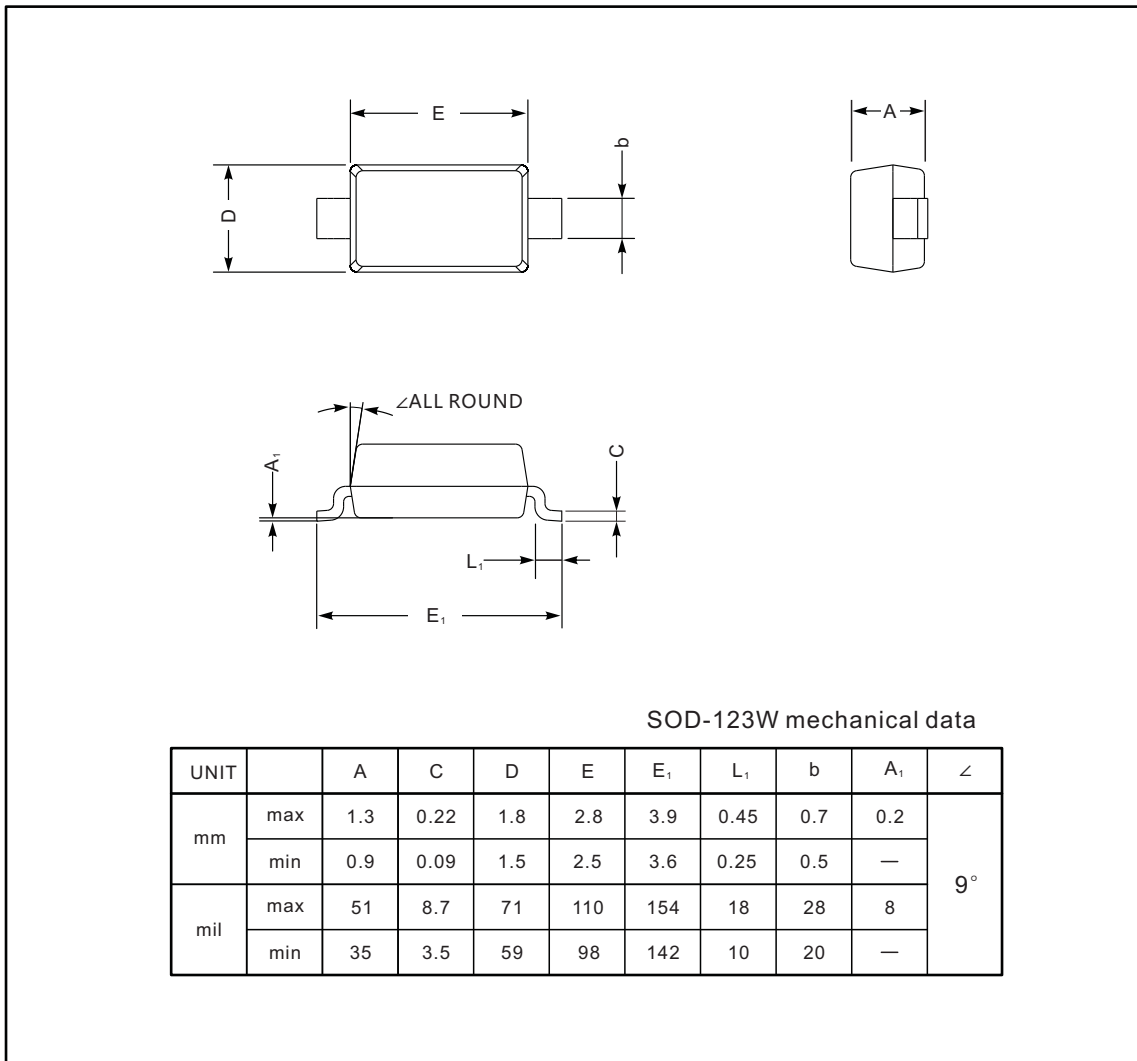




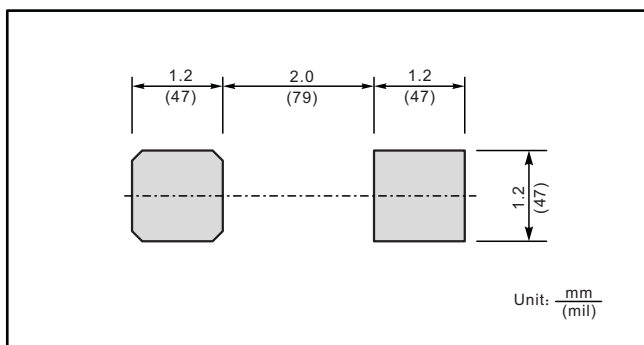
**PACKAGE OUTLINE**

Plastic surface mounted package; 2 leads

SOD-123W



**The recommended mounting pad size**



**Marking**

Type number	Marking code
LL60PW	L60

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