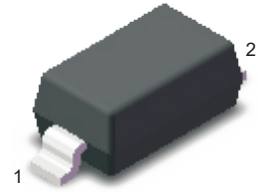


Features

- High reliability
- Low forward voltage and reverse current

SOD-123



1.Cathode —  — 2.Anode

Marking Code : L60

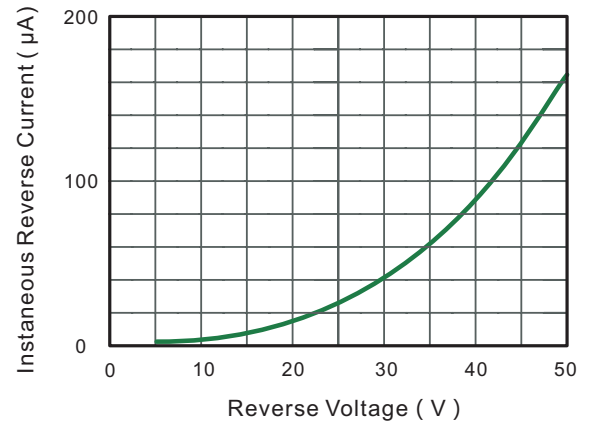
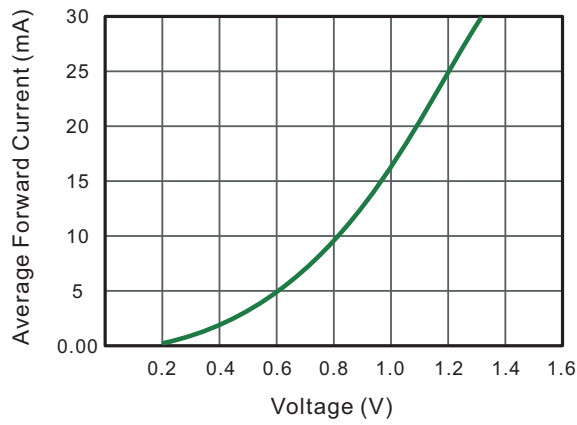
Absolute Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbols	Value	Unit
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	μA
Total Capacitance at $f = 1MHz, V_R = 1V$	C_{tot}	38	pF
Rectification efficiency at $V_i = 2V_{RMS}, R = 5K\Omega$	η	55	%
Junction Temperature	T_J	125	°C
Storage Temperature Range	T_{STG}	-55 to +150	°C



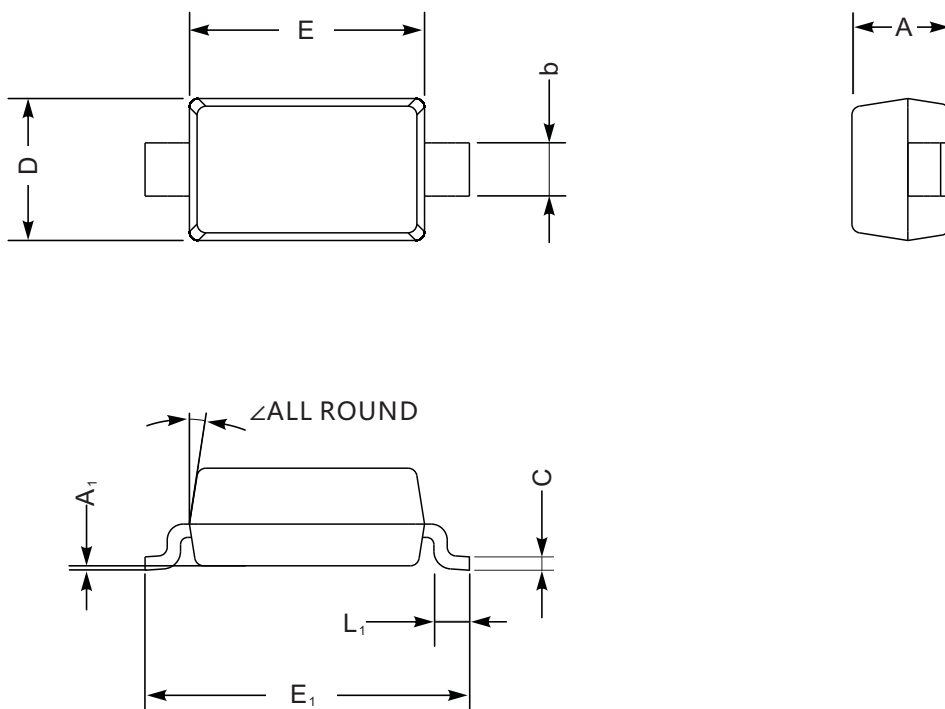
Typical Characteristic Curves



Package Outline

SOD-123

Dimensions in mm



SOD-123 mechanical data

UNIT		A	C	D	E	E ₁	L ₁	b	A ₁	∠
mm	max	1.3	0.22	1.8	2.8	3.9	0.45	0.7	0.2	9°
	min	0.9	0.09	1.5	2.5	3.6	0.25	0.5	—	
mil	max	51	8.7	71	110	154	18	28	8	
	min	35	3.5	59	98	142	10	20	—	