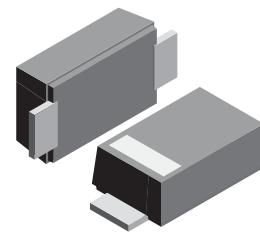


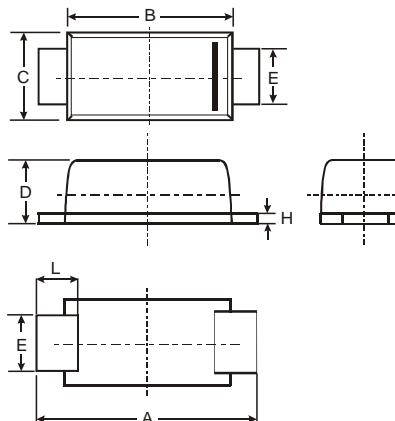
### Features

- High reliability
- Low forward voltage and reverse current



### Mechanical Data

- Case: SOD-123FL  
plastic body over passivated junction
- Terminals : Plated axial leads,
- solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Weight:0.0007 ounce, 0.02 grams



SOD-123FL			
Dim	Min	Max	Typ
A	3.50	3.90	3.70
B	2.60	3.00	2.80
C	1.63	1.93	1.78
D	0.93	1.00	0.98
E	0.85	1.25	1.00
H	0.15	0.25	0.20
L	0.55	0.75	0.65

All Dimensions in mm

### Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

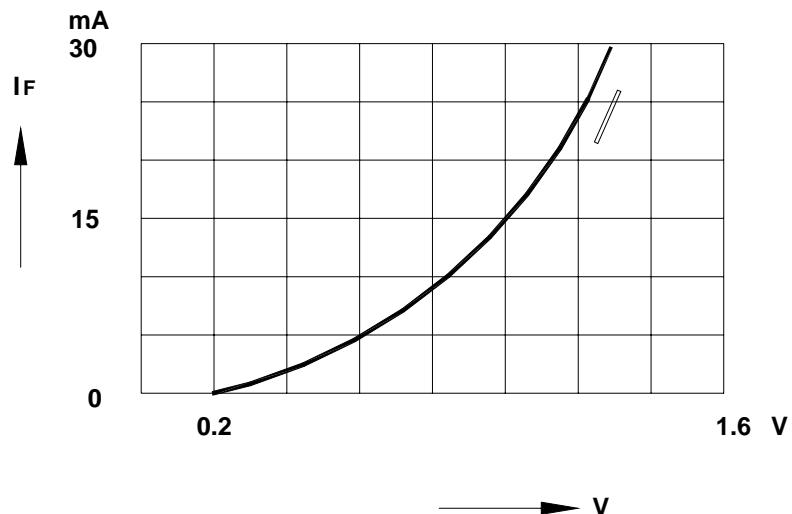
Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	45	V
Reverse Voltage	$V_R$	10	V
Peak Forward Current	$I_{FM}$	150	mA
Average Rectified Output Current	$I_O$	50	mA
Surge Forward Current	$I_{surge}$	500	mA
Junction Temperature	$T_j$	125	°C
Storage Temperature Range	$T_S$	-55 to +125	°C

### Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Min.	Max.	Unit
Forward Current at $V_F = 1 \text{ V}$	$I_F$	4	-	mA
Reverse Current at $V_R = 10 \text{ V}$	$I_R$ 1N60PW 1N60SW	- -	50 100	μA
Reverse Voltage at $I_R = 100 \mu\text{A}$	$V_R$	45	-	V
Junction Capacitance at $f = 1 \text{ MHz}, V = -1 \text{ V}$	$C_J$	-	1	pF
Rectification efficiency at $V_i = 2 \text{ Vrms}, R = 5 \text{ k}\Omega, C = 20 \text{ pF}, f = 40 \text{ MHz}$	$\eta$	55	-	%



**Forward Characteristics**



**Reverse Characteristics**

