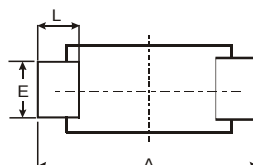
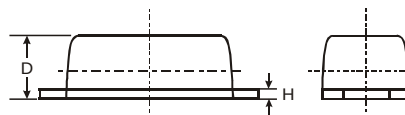
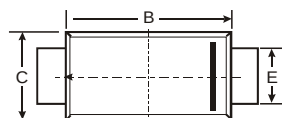


Features

- 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
- Mounting Position : Any
- Weight: 0.0007 ounce, 0.02 grams



SOD-123FL			
Dim	Min	Max	Typ
A	3.58	3.72	3.65
B	2.72	2.78	2.75
C	1.77	1.83	1.80
D	1.02	1.08	1.05
E	0.097	1.03	1.00
H	0.13	0.17	0.15
L	0.53	0.57	0.55
All Dimensions in mm			

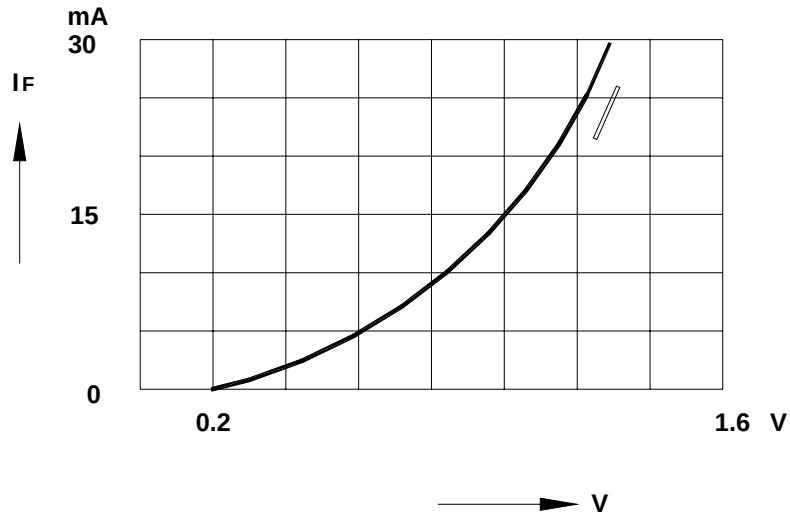
Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

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	$^\circ\text{C}$
Storage Temperature Range	T_S	-55 to +125	$^\circ\text{C}$

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	-	50	μA
		-	100	
Reverse Voltage at $I_R = 100\text{ }\mu\text{A}$	V_R	45	-	V
Junction Capacitance at $f = 1\text{ MHz}$, $V = -1\text{ V}$	C_J	-	1	pF
Rectification efficiency at $V_i = 2\text{ V}_{rms}$, $R = 5\text{ K}\Omega$, $C = 20\text{ pF}$, $f = 40\text{ MHz}$	η	55	-	%

Forward Characteristics



Reverse Characteristics

