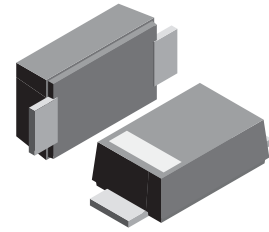


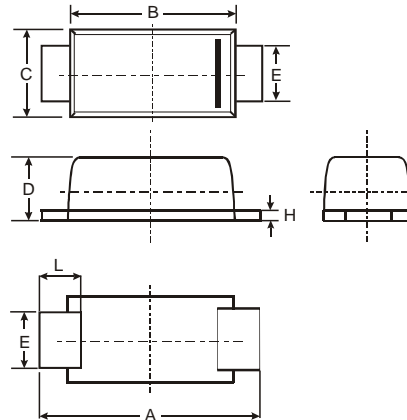
Features

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

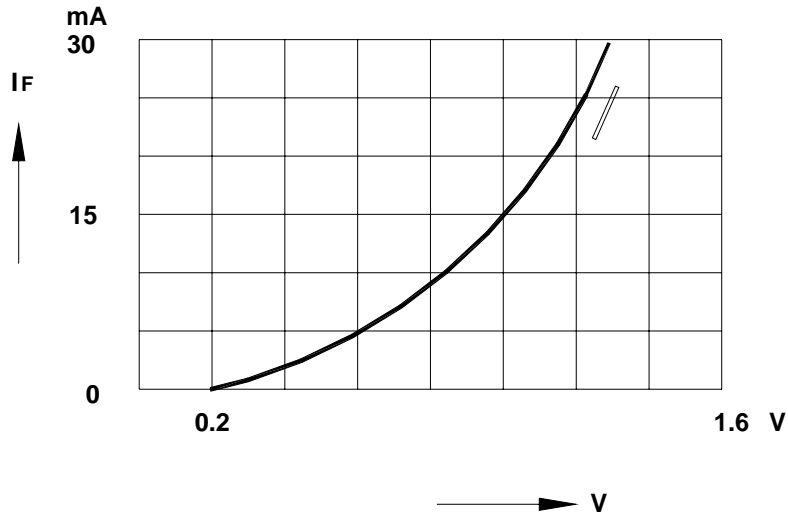
Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise specified

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



SUMMATE

Forward Characteristics



Reverse Characteristics

