

VOLTAGE RANGE: 600V

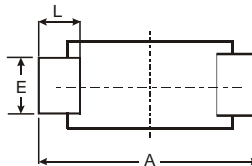
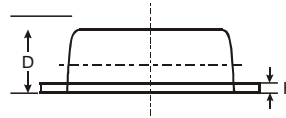
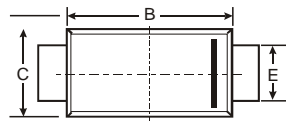
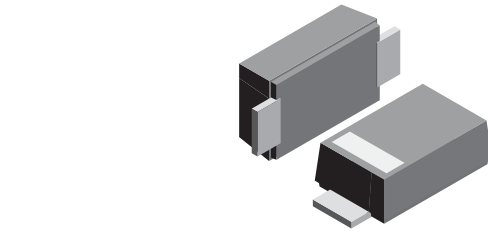
CURRENT: 0.4 A

Features

- Glass passivated device
- Ideal for surface mounted applications
- Low reverse leakage
- Metallurgically bonded construction
- High temperature soldering guaranteed:
250°C/10 seconds, 0.375" (9.5mm) lead length,
5 lbs. (2.3kg) tension

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



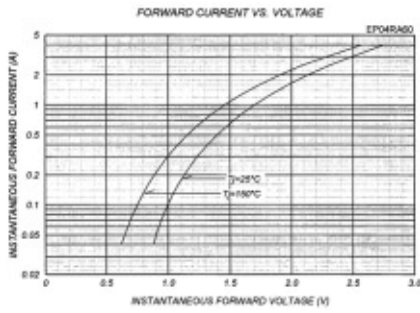
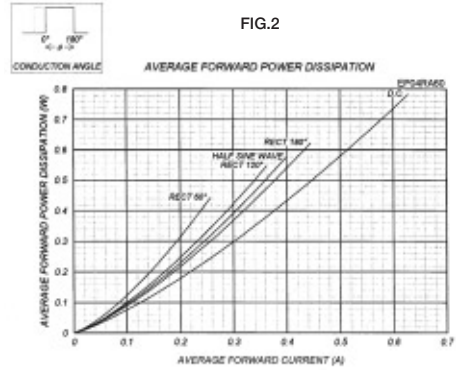
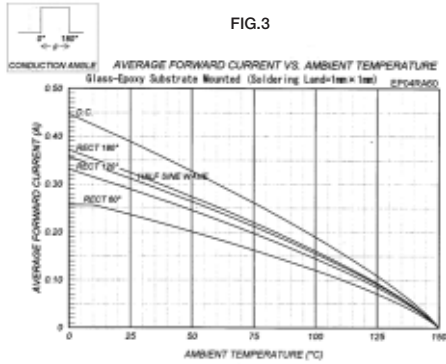
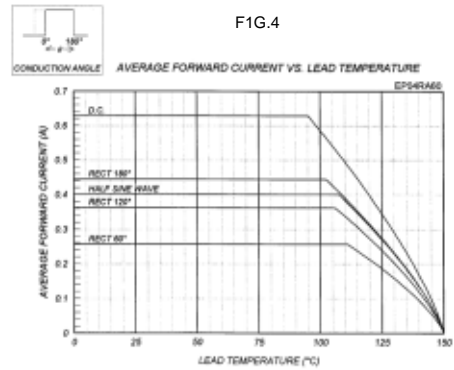
SOD-123FL			
Dim	Min	Max	Typ
A	3.50	3.80	3.65
B	2.60	2.90	2.75
C	1.70	1.90	1.80
D	0.09	1.10	1.00
E	0.08	1.10	0.095
H	0.12	0.20	0.16
L	0.07	0.09	0.08
All Dimensions in mm			

Maximum Ratings @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	600	V
Average Rectified Forward Current 50Hz Half Sine Wave Resistive Load	I _O	0.4 0.3	A A
R.M.S. Forward Current	I _{F(RMS)}	0.628	A
Surge Forward Current 50Hz Half Sine Wave, 1 cycle, Non-repetitive	I _{FSM}		A
Operating Junction Temperature Range	T _{jw}	-40 ~ +150	°C
Storage Temperature Range	T _{stg}	-40 ~ +150	°C

Electrical Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Peak Reverse Current T _j =25°C, V _{RM} =V _{RRM}	I _{RM}	—	—	10	μA
Peak Forward Voltage T _j =25°C, I _{FM} =0.4A	V _{FM}	—	—	1.32	V
Reverse Recovery Time I _{FM} =0.4A, -di/dt=50 A/μs, T _a =25°C	t _{rr}	—	—	40	ns
Thermal Resistance	Junction to Lead	—	—	70	°C/W
	Junction to Ambient *1	—	—	300	°C/W

FIG.1

FIG.2

FIG.3

FIG.4

FIG.5
