

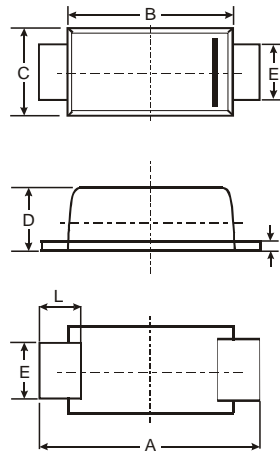
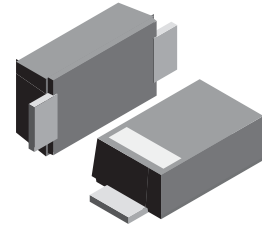
VOLTAGE RANGE: 400V
CURRENT: 0.5A

Features

- Glass passivated device
- Ideal for surface mouted 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



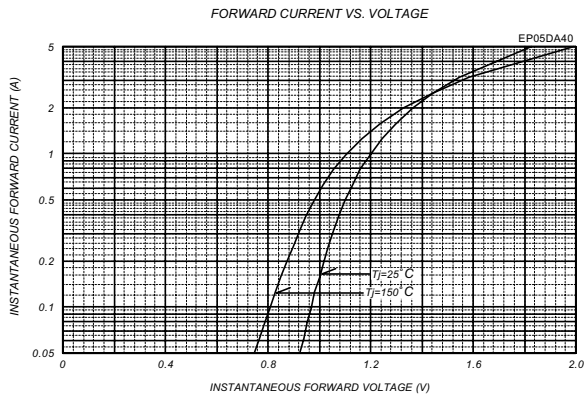
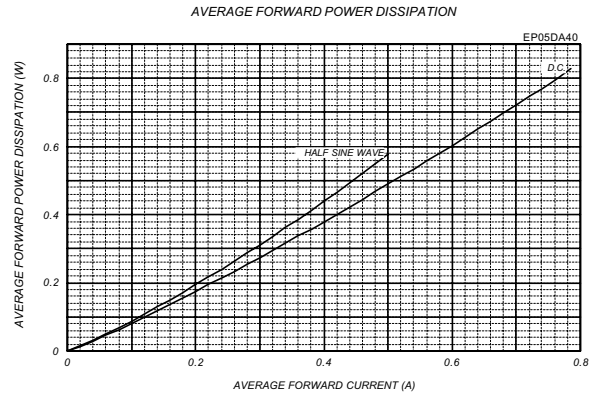
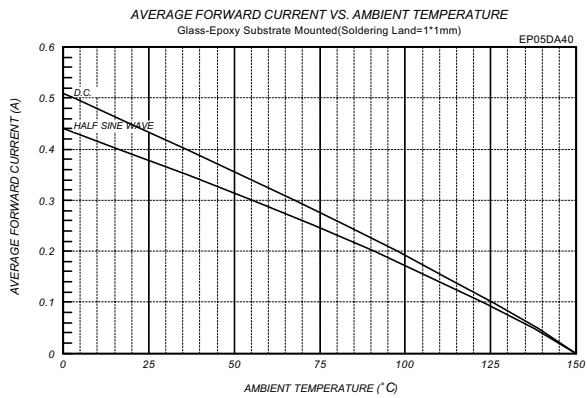
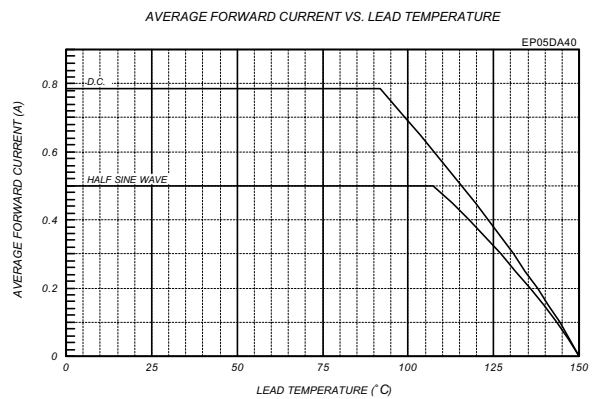
SOD-123FL			
Dim	Min	Max	Typ
A	3.58	3.72	3.65
B	2.72	2.78	2.75
C	1.77	1.83	1.80
D	1.02	1.08	1.05
E	0.097	1.03	1.00
H	0.13	0.17	0.15
L	0.53	0.57	0.55
All Dimensions in mm			

Maximum Ratings @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400	V
Non-repetitive Peak Reverse Voltage	V _{RSM}	550	V
Average Rectified Forward Current 50Hz Half Sine Wave Resistive Load	I _C	T _a =25°C *1 0.38	A
		T _I =107°C 0.5	A
R.M.S.Forward Current	I _{F(RMS)}	0.785	A
Surge Forward Current 50Hz Half Sine Wave, I _C 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} =0.5A	V _{FM}	—	—	1.1	V
Electrostatic Discharge T _j =25°C, C=150pF, R=150Ω *2	—	—	25	—	kV
Thermal Resistance	Junction to Ambient	—	—	300	°C/W
	Junction to Lead	—	—	70	°C/W

FIG.1

FIG.2

FIG.3

FIG.4

FIG.5
