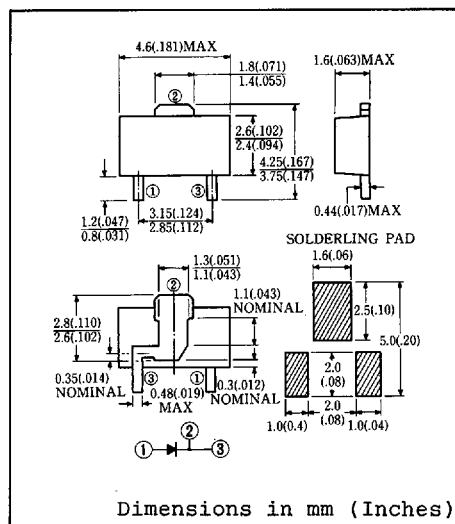


- Similar to TO-243AB (SOT-89) Case
- Surface Mount Device
- Ultra - Fast Recovery
- Low Forward Voltage Drop
- Low Power Loss, High Efficiency
- 100 Volts thru 400 Volts Types Available
- Packaged in 12mm Tape and Reel



Approx. Net Weight: 0.05 Grams

## MAXIMUM RATINGS

Voltage Rating	TYPE Symbol	◆E11FS3	◆E11FS4	Unit	
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	300	400	V	
Non-Repetitive Peak Reverse Voltage	V <sub>RSM</sub>	330	440	V	
Electrical Rating	Symbol	Condition		Rating	Unit
Average Rectified Output Current	I <sub>O</sub>	180° rectangular wave conduction P.C. Board mounted* T <sub>a</sub> = 13°C		1.1	A
		180° sinusoidal wave conduction P.C. Board mounted* T <sub>a</sub> = 25°C		1.0	
RMS Forward Current	I <sub>F(RMS)</sub>			1.57	A
Peak One-cycle Forward Surge Current	I <sub>FSM</sub>	50Hz half sine wqve, non-repetitive		20	A
Operating Junction Temperature Range	T <sub>jw</sub>			-40 to 150	°C
Storage Temperature Range	T <sub>stg</sub>			-40 to 150	°C

## ELECTRICAL &amp; THERMAL CHARACTERISTICS

Characteristics	Symbol	Test Condition	Max.	Unit
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 1.0A$ $T_j = 25^\circ\text{C}$	1.25	V
Peak Reverse Current	$I_{RM}$	$V_{RM} = V_{RRM}$ $T_j = 25^\circ\text{C}$	20	$\mu A$
Reverse Recovery Time	$t_{rr}$	$I_{FM} = 1A$ $-di/dt = 50A/\mu s$ $T_j = 25^\circ\text{C}$	30	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient, PCB mounted *	110	°C/W

\* P.C. Board Print Land = 15 x 15 mm

◆ For spare parts only

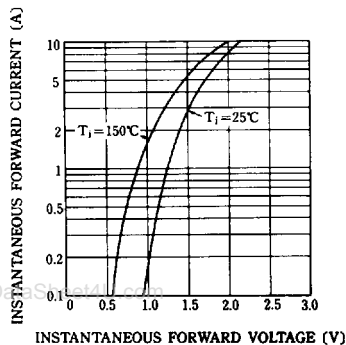
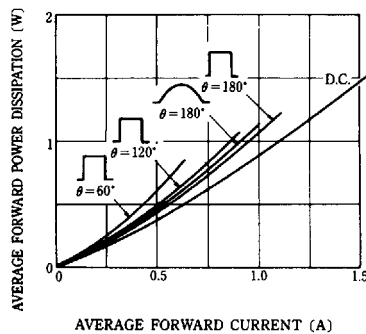
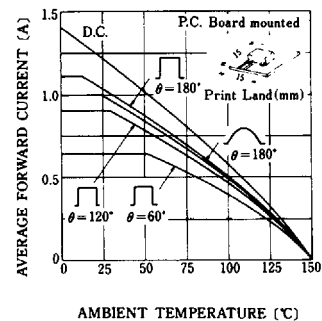
FIG.1-FORWARD VOLTAGE  
VS. FORWARD CURRENTFIG.2-AVERAGE FORWARD POWER  
DISSIPATIONFIG.3-AVERAGE FORWARD CURRENT  
VS. AMBIENT TEMPERATURE

FIG.4-SURGE CURRENT RATINGS

