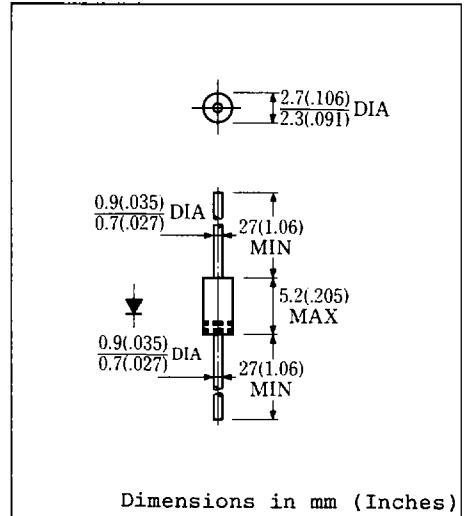


FEATURES

- Miniature Size
- Ultra - Fast Recovery
- Low Forward Voltage Drop
- Low Power Loss, High Efficiency
- High Surge Capability
- 100 Volts through 400 Volts Types Available
- 52mm Inside Tape Spacing Package Available



Approx. Net Weight : 0.33 Grams

MAXIMUM RATINGS

Voltage Rating	TYPE	◆ 11DF1	11DF2	Unit	
	Symbol				
Repetitive Peak Reverse Voltage	V_{RRM}	100	200	v	
Non-Repetitive Peak Reverse Voltage	V_{RSM}	110	220	v	
Electrical Rating	Symbol	Condition		Rating	Unit
Average Rectified Output Current	I_o	P.C.Board mounted *	180° rectangular wave conduction $T_a = 56^\circ C$	1.1	A
			180° sinusoidal wave conduction $T_a = 63^\circ C$	1.0	
		Without PCB, FIN.	$T_a = 27^\circ C$	1.0	
RMS Forward Current	$I_{F(RMS)}$			1.57	A
Peak One-cycle Forward Surge Current	I_{FSM}	50Hz half sine wave, non-repetitive		30	A
Operating Junction Temperature Range	T_{jw}			-40 to 150	°C
Storage Temperature Range	T_{stg}			-40 to 150	°C

ELECTRICAL & THERMAL CHARACTERISTICS

Characteristics	Symbol	Test Condition		Max.	Unit
Peak Forward Voltage	V_{FM}	$I_{FM} = 1.0A$	$T_j = 25^\circ C$	0.98	v
Peak Reverse Current	I_{RM}	$V_{RM} = V_{RRM}$	$T_j = 25^\circ C$	10	μA
Reverse Recovery Time	t_{rr}	$I_{FM} = 1A$	$-di/dt = 50A/\mu S$ $T_a = 25^\circ C$	30	ns
Thermal Resistance, junction to ambient	$R_{th(j-a)}$	P.C.Board mounted *		81	°C/W
		Without Fin or P.C.Board		115	

*P.C.Board Print Land = 10 x 10 mm

◆ For spare parts only

FIG.1-FORWARD VOLTAGE VS. FORWARD CURRENT

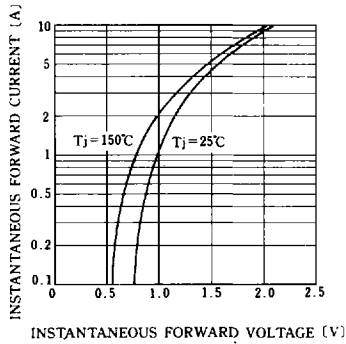


FIG.2-AVERAGE FORWARD POWER DISSIPATION

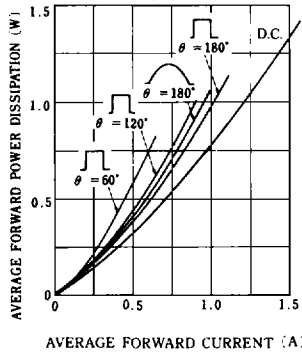


FIG.3-AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

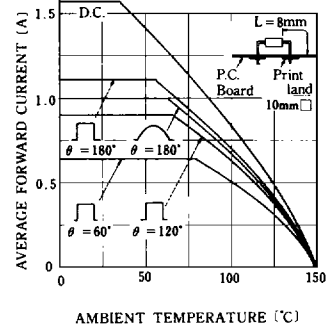


FIG.4-AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

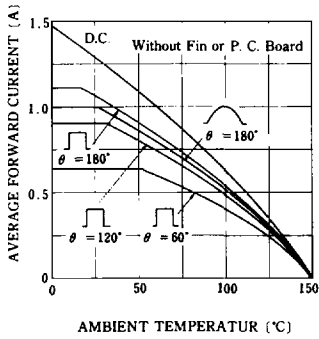


FIG.5-SURGE CURRENT RATINGS

