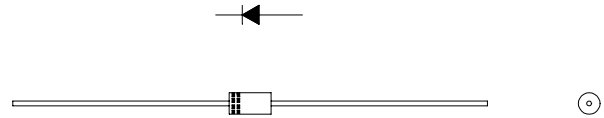


# FRD Type :11DF2

## OUTLINE DRAWING

### FEATURES

- \* Miniature Size
- \* Ultra - Fast Recovery
- \* Low Forward Voltage drop
- \* Low Power Loss, High Efficiency
- \* High Surge Capability
- \* 200 Volts thru 400 Volts Types Available
- \* 52mm Inside Tape Spacing Package Available



### Maximum Ratings

Approx Net Weight:0.33g

Rating	Symbol	11DF2		Unit	
Repetitive Peak Reverse Voltage	$V_{RRM}$	200		V	
Non-repetitive Peak Reverse Voltage	$V_{RSM}$	220		V	
Average Rectified Output Current	$I_O$	1.0	Ta=27°C *1	50Hz Half Sine Wave Resistive Load	A
			Ta=63°C *2		
RMS Forward Current	$I_{F(RMS)}$	1.57		A	
Surge Forward Current	$I_{FSM}$	30	50Hz Half Sine Wave, 1cycle, Non-repetitive		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	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	$I_{RM}$	$T_j = 25^\circ\text{C}$ , $V_{RM} = V_{RRM}$	-	-	10	$\mu\text{A}$
Peak Forward Voltage	$V_{FM}$	$T_j = 25^\circ\text{C}$ , $I_{FM} = 1.0\text{A}$	-	-	0.98	V
Reverse Recovery Time	$t_{rr}$	$-di/dt = 50\text{A}/\mu\text{s}$ , $I_{FM} = 1\text{A}$ , $T_a = 25$	-	-	30	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	-	-	115	°C/W
					81	

\*1 : Without Fin or P.C. Board

\*2 : P.C. Board mounted(L=8mm,Print Lands =10x10mm,Both Sides)

11DF2 OUTLINE DRAWING (Dimensions in mm)

