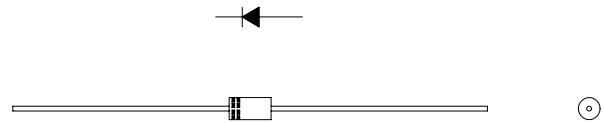


FRD Type :11DF4

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	11DF4		Unit	
Repetitive Peak Reverse Voltage	V_{RRM}	400		V	
Non-repetitive Peak Reverse Voltage	V_{RSM}	440		V	
Average Rectified Output Current	I_O	1.0	Ta=18°C *1	50Hz Half Sine Wave Resistive Load	A
			Ta=57°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}	$T_j = 25^\circ\text{C}$, $V_{RM} = V_{RRM}$	-	-	20	μA
Peak Forward Voltage	V_{FM}	$T_j = 25^\circ\text{C}$, $I_{FM} = 1.0\text{A}$	-	-	1.25	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)

11DF4 OUTLINE DRAWING (Dimensions in mm)

