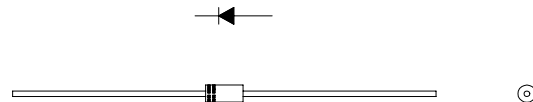


FRD Type : 10DF1

OUTLINE DRAWING

FEATURES

- * Miniature Size
- * Super Fast Recovery
- * Low Forward Voltage drop
- * Low Power Loss, High Efficiency
- * High Surge Capability
- * 100 Volts thru 600 Volts Types Available
- * 52mm Inside Tape Spacing Package Available



Maximum Ratings

Approx Net Weight:0.33g

Rating	Symbol	10DF1			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	100			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	200			V
Average Rectified Output Current	I _O	1.0	Ta=25°C	50Hz Half Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	1.57			A
Surge Forward Current	I _{FSM}	40	50Hz Half Sine Wave,1cycle, Non-repetitive		A
Operating JunctionTemperature 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}	$T_j = 25^{\circ}\text{C}$, $V_{RM} = V_{RRM}$	-	-	5	μA
Peak Forward Voltage	V_{FM}	$T_j = 25^{\circ}\text{C}$, $I_{FM} = 1.0\text{A}$	-	-	1.05	V
Reverse Recovery Time	t_{rr}	$T_a = 25^{\circ}\text{C}$, $I_F = I_R = 10\text{mA}$			200	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	-	-	115	$^{\circ}\text{C/W}$

10DF1 OUTLINE DRAWING (Dimensions in mm)

