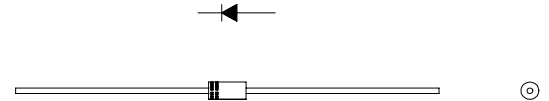


FRD Type : 10DF1

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	$T_a=25^\circ\text{C}$	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 Junction Temperature Range	T_{jw}	- 40 to + 150			$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 40 to + 150			$^\circ\text{C}$

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	trr	$T_a= 25^\circ\text{C}, I_F=I_R=10\text{mA}$			200	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	-	-	115	$^\circ\text{C/W}$

10DF1 OUTLINE DRAWING (Dimensions in mm)

