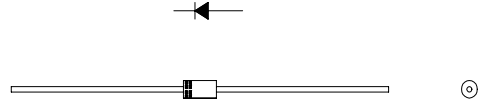


FRD Type :10DF6

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	10DF6		Unit
Repetitive Peak Reverse Voltage	V_{RRM}	600		V
Non-repetitive Peak Reverse Voltage	V_{RSM}	700		V
Average Rectified Output Current	I_O	1.0	$T_a=12^{\circ}C$ *1 $T_a=52^{\circ}C$ *2 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		$^{\circ}C$
Storage Temperature Range	T_{stg}	- 40 to + 150		$^{\circ}C$

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	$T_j = 25^{\circ}C, V_{RM} = V_{RRM}$	-	-	10	μA
Peak Forward Voltage	V_{FM}	$T_j = 25^{\circ}C, I_{FM} = 1.0A$	-	-	1.2	V
Reverse Recovery Time	trr	$T_a = 25^{\circ}C, I_F = I_R = 10mA$	-	-	500	ns
		$-di/dt = 50A/\mu s, I_{FM} = 1A, T_a = 25$			100	
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	-	-	115	$^{\circ}C/W$
					*1 : Without Fin	
		*2 : P.C. Board mounted				

*1 : Without Fin or P.C. Board

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

10DF6 OUTLINE DRAWING (Dimensions in mm)

