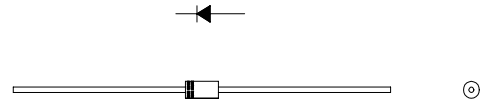




FEATURES

- * 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	10DF4			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	500			V
Average Rectified Output Current	I _O	1.0	Ta=12℃ *1	50Hz Half Sine Wave Resistive Load	A
			Ta=52℃ *2		
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			℃
Storage Temperature Range	T _{stg}	- 40 to + 150			℃

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	μA
Peak Forward Voltage	V_{FM}	$T_j = 25^{\circ}\text{C}$, $I_{FM} = 1.0\text{A}$	-	-	1.2	V
Reverse Recovery Time	t_{rr}	$T_a = 25^{\circ}\text{C}$, $I_F = I_R = 10\text{mA}$	-	-	500	ns
		$-di/dt = 50\text{A}/\mu\text{s}$, $I_{FM} = 1\text{A}$, $T_a = 25$			100	
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	-	-	115	$^{\circ}\text{C}/\text{W}$
		*1 : Without Fin *2 : P.C. Board mounted			81	

*1 : Without Fin or P.C. Board

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