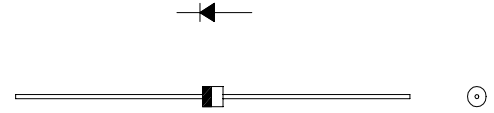


FRD Type : 11EFS4

OUTLINE DRAWING

FEATURES

- * Miniature Size
- * Ultra-Fast Recovery
- * Low Forward Voltage Drop
- * Low Power Loss, High Efficiency
- * High Surge Capability
- * 200 Volts through 400 Volts Types Available
- * 26mm and 52mm Inside Tape Spacing



Maximum Ratings

Approx Net Weight:0.17g

Rating	Symbol	11EFS4		Unit	
Repetitive Peak Reverse Voltage	V_{RRM}	400		V	
Non-repetitive Peak Reverse Voltage	V_{RSM}	440		V	
Average Rectified Output Current	I_O	0.8	$T_a=30^{\circ}\text{C}$ Without Fin *1	50Hz Half Sine Wave Resistive Load	A
		1	$T_a=24^{\circ}\text{C}$ P.C.B.Mounted*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		$^{\circ}\text{C}$	
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}	$T_j= 25^{\circ}\text{C}$, $V_{RM}= V_{RRM}$	-	-	20	μA
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}\text{C}$, $I_{FM}= 1\text{ A}$	-	-	1.25	V
Reverse Recovery Time	trr	$I_{FM}= 1\text{ A}$, $-di/dt= 50\text{ A}/\mu\text{s}$, $T_a= 25^{\circ}\text{C}$	-	-	30	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	Without Fin,PCB *1		140	$^{\circ}\text{C}/\text{W}$
			P.C.Board Mounted *2		110	

*1 Without Fin or P.C.Board

*2 P.C. Board Mounted(L=3mm, Print Lands = 5x5 mm,Both Sides)

11EFS4 OUTLINE DRAWING (Dimensions in mm)

