



# FRD Type : 11EFS2

## 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	11EFS2		Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	200		V
Non-repetitive Peak Reverse Voltage	$V_{RSM}$	220		V
Average Rectified Output Current	$I_O$	0.8	$T_a=40^{\circ}C$ Without Fin *1	50Hz Half Sine Wave Resistive Load A
		1	$T_a=32^{\circ}C$ 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		$^{\circ}C$
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	$\mu A$	
Peak Forward Voltage	$V_{FM}$	$T_j= 25^{\circ}C, I_{FM}= 1 A$	-	-	0.98	V	
Reverse Recovery Time	trr	$I_{FM}= 1 A, -di/dt= 50 A/\mu s, T_a= 25^{\circ}C$	-	-	30	ns	
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	Without Fin,PCB *1	-	-	140	$^{\circ}C/W$
			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)



11EFS2 OUTLINE DRAWING (Dimensions in mm)

