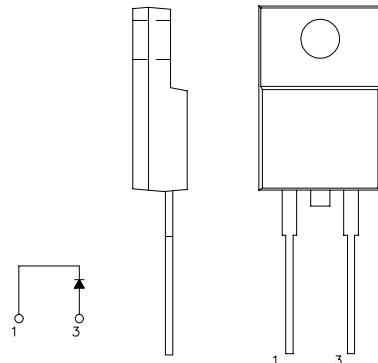


# **FRD Type : FSF05A60**

## OUTLINE DRAWING

### FEATURES

- \* Fully Molded Isolation Case
- \* Ultra – Fast Recovery
- \* Low Forward Voltage Drop
- \* Low Power Loss, High Efficiency
- \* High Surge Capability
- \* 200 Volts thru 600 Volts Types Available



### Maximum Ratings

Approx Net Weight:1.7g

Rating	Symbol	FSF05A60			Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	600			V
Average Rectified Output Current	I <sub>O</sub>	5	T <sub>c</sub> =107°C	50 Hz Half Sine Wave Resistive Load	A
RMS Forward Current	I <sub>F(RMS)</sub>	7.85			A
Surge Forward Current	I <sub>FSM</sub>	80	50 Hz Half Sine Wave, 1cycle Non-repetitive		
Operating JunctionTemperature Range	T <sub>jw</sub>	- 40 to + 150			°C
Storage Temperature Range	T <sub>stg</sub>	- 40 to + 150			°C
Mounting torque		0.5	Recommended value		
					N.m

### Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I <sub>RM</sub>	T <sub>j</sub> = 25°C, V <sub>RM</sub> = V <sub>RRM</sub>	-	-	30	µA
Peak Forward Voltage	V <sub>FM</sub>	T <sub>j</sub> = 25°C, I <sub>FM</sub> = 5A	-	-	1.7	V
Reverse Recovery Time	trr	I <sub>FM</sub> = 5A, -di/dt= 50 A/µs, T <sub>a</sub> = 25°C	-	-	40	ns
Thermal Resistance	R <sub>th(j-c)</sub>	Junction to Case	-	-	5	°C/W
	R <sub>th(c-f)</sub>	Case to Fin	-	-	1.5	

**FSF05A60 OUTLINE DRAWING (Dimensions in mm)**
