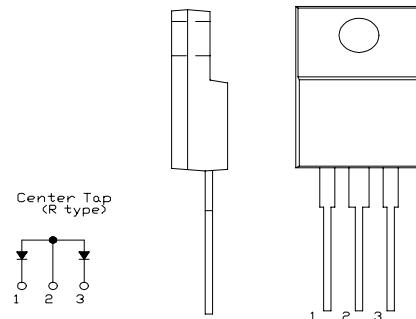


FRD Type : F10P40FR

OUTLINE DRAWING

FEATURES

- * Fully Molded Isolation
- * Dual Diodes – Anode Common
- * Ultra – Fast Recovery
- * Low Forward Voltage Drop
- * High Surge Capability
- * 200 Volts thru 600 Volts Types Available



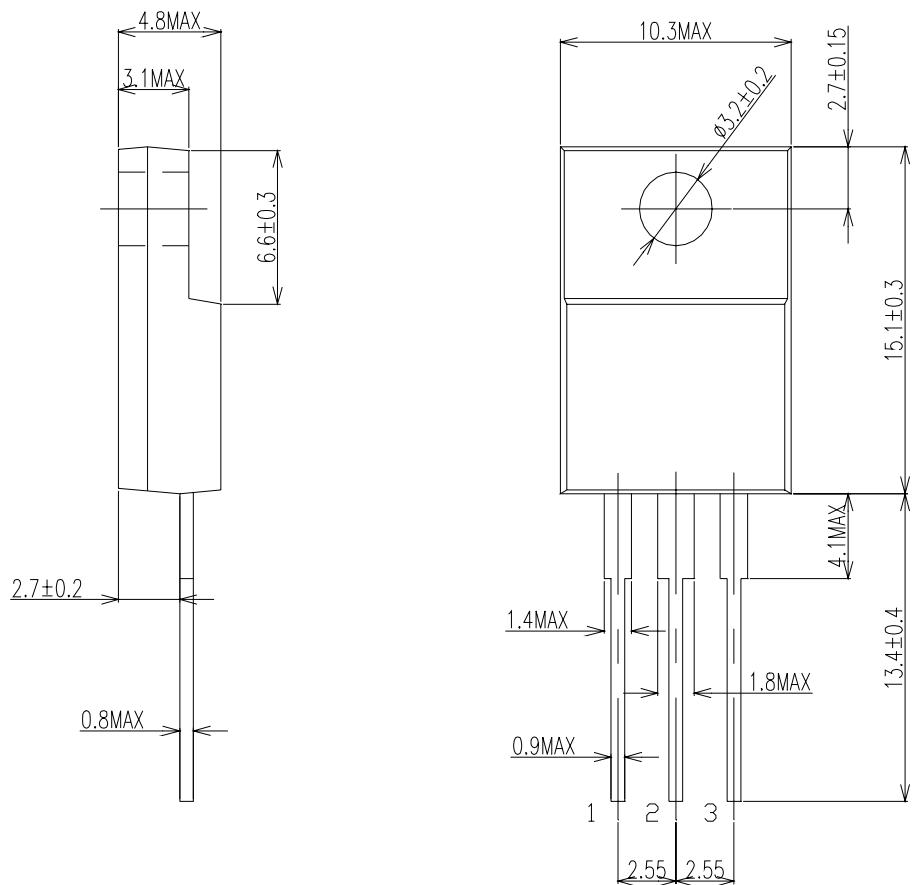
Maximum Ratings

Approx Net Weight: 1.75g

Rating	Symbol	F10P40FR			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	440			V
Average Rectified Output Current	I _o	10	T _c =112°C	50 Hz, Full Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	11.1			A
Surge Forward Current	I _{FSM}	80	50 Hz Full Sine Wave, 1cycle Non-repetitive		
Operating Junction Temperature Range	T _{jw}	- 40 to + 150			°C
Storage Temperature Range	T _{stg}	- 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 _{RM}	T _j =25°C, V _{RRM} =V _{RSM} per Arm	-	-	30	µA
Peak Forward Voltage	V _{FM}	T _j =25°C, I _{FM} =5A per Arm	-	-	1.25	V
Reverse Recovery Time	t _{rr}	I _{FM} = 5 A, -di/dt= 50 A/µs, T _a = 25°C	-	-	45	ns
Thermal Resistance	R _{th(j-c)}	Junction to Case	-	-	3	°C/W
	R _{th(c-f)}	Case to Fin			1.5	

F10P40FR OUTLINE DRAWING (Dimensions in mm)


Center Tap
(R type)

