

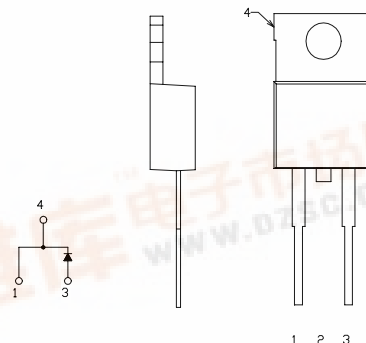


FRD Type : GSF10A40

OUTLINE DRAWING

FEATURES

- * Similar to TO-220AB 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:1.85g

Rating	Symbol	GSF10A40			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	440			
Average Rectified Output Current	I _O	10	Tc=95℃	50 Hz Half Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	15.7			A
Surge Forward Current	I _{FSM}	120	50 Hz Half Sine Wave,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T _{jw}	- 40 to + 150			℃
Storage Temperature Range	T _{stg}	- 40 to + 150			℃
Mounting torque		0.5	Recommended value		N.m

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	$T_j = 25^{\circ}\text{C}, V_{RM} = V_{RRM}$	-	-	30	μA
Peak Forward Voltage	V_{FM}	$T_j = 25^{\circ}\text{C}, I_{FM} = 10\text{A}$	-	-	1.30	V
Reverse Recovery Time	t_{rr}	$I_{FM} = 10\text{A},$ $-di/dt = 50\text{ A}/\mu\text{s}, T_a = 25^{\circ}\text{C}$	-	-	45	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	4	$^{\circ}\text{C}/\text{W}$

GSF10A40 OUTLINE DRAWING (Dimensions in mm)

