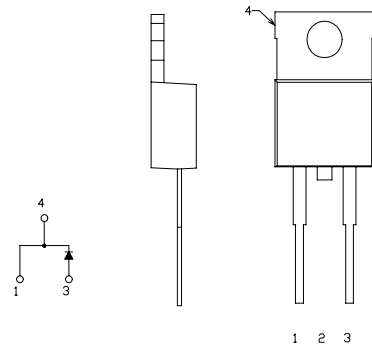


FRD Type : GSF05A40

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	GSF05A40			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	400			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	440			
Average Rectified Output Current	I _O	5	Tc=118℃	50 Hz Half Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	7.85			A
Surge Forward Current	I _{FSM}	80	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}	$T_j = 25^{\circ}\text{C}$, $I_{FM} = 5\text{A}$	-	-	1.25	V
Reverse Recovery Time	t_{rr}	$I_{FM} = 5\text{A}$, $-di/dt = 50\text{ A}/\mu\text{s}$, $T_a = 25^{\circ}\text{C}$	-	-	45	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	5	$^{\circ}\text{C}/\text{W}$

GSF05A40 OUTLINE DRAWING (Dimensions in mm)

