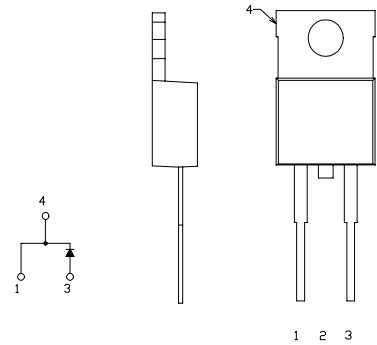


S B D T y p e : GSQ10A04

OUTLINE DRAWING

FEATURES

- *Similar to TO-220AC Case
- *Low Forward Voltage Drop
- *Low Power Loss,High Efficiency
- *High Surge Capability
- *T_j=150 °C operation



Maximum Ratings

Approx Net Weight: 1.85g

Rating	Symbol	GSQ10A04			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	40			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	45			V
Average Rectified Output Current	I _O	10	Tc=119℃	50 Hz half Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	15.7			A
Surge Forward Current	I _{FSM}	180	50Hz 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	F _{tor}	recommended torque = 0.5			N•m

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I _{RM}	T _j = 25°C, V _{RM} = V _{RRM}	-	-	10	mA
Peak Forward Voltage	V _{FM}	T _j = 25°C, I _{FM} = 10 A	-	-	0.59	V
Thermal Resistance	R _{th(j-c)}	Junction to Case	-	-	3	°C /W

GSQ10A04 OUTLINE DRAWING (Dimention in mm)

