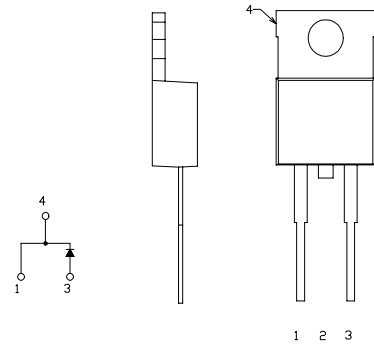


# SBD Type : GSQ10A04

OUTLINE DRAWING

**FEATURES**

- \*Similar to TO-220AC Case
- \*Low Forward Voltage Drop
- \*Low Power Loss,High Efficiency
- \*High Surge Capability
- \*Tj=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	$T_c=119^{\circ}C$	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			°C
Storage Temperature Range	$T_{stg}$	-40 to +150			°C
Mounting torque	$F_{tor}$	recommended torque = 0.5			N•m

## Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	$I_{RM}$	$T_j= 25^{\circ}C, V_{RM}= V_{RRM}$	-	-	10	mA
Peak Forward Voltage	$V_{FM}$	$T_j= 25^{\circ}C, I_{FM}= 10 A$	-	-	0.59	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	3	°C/W

GSQ10A04 OUTLINE DRAWING (Dimension in mm)

