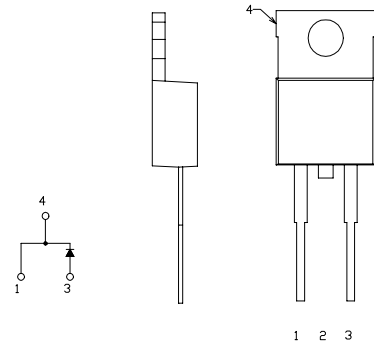


# SBD Type : GSQ05A04

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	GSQ05A04		Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	40		V
Average Rectified Output Current	$I_O$	5	$T_c=122^{\circ}C$ 50 Hz half Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	7.85		A
Surge Forward Current	$I_{FSM}$	120	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	$I_{RM}$	$T_j= 25^{\circ}C, V_{RM}= V_{RRM}$	-	-	5	mA
Peak Forward Voltage	$V_{FM}$	$T_j= 25^{\circ}C, I_{FM}= 5 A$	-	-	0.55	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	5	°C /W

GSQ05A04 OUTLINE DRAWING (Dimension in mm)

