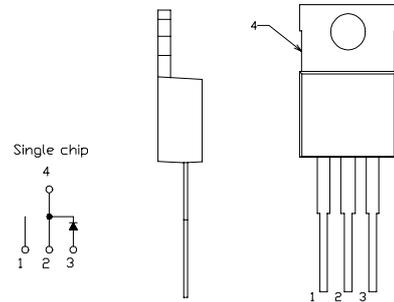


# SBD Type : GSH05A09B

OUTLINE DRAWING

## FEATURES

- \*Similar to TO-220AB Case
- \*Low Forward Voltage Drop
- \*Low Power Loss,High Efficiency
- \*High Surge Capability
- \*T<sub>j</sub>=150 °C operation



## Maximum Ratings

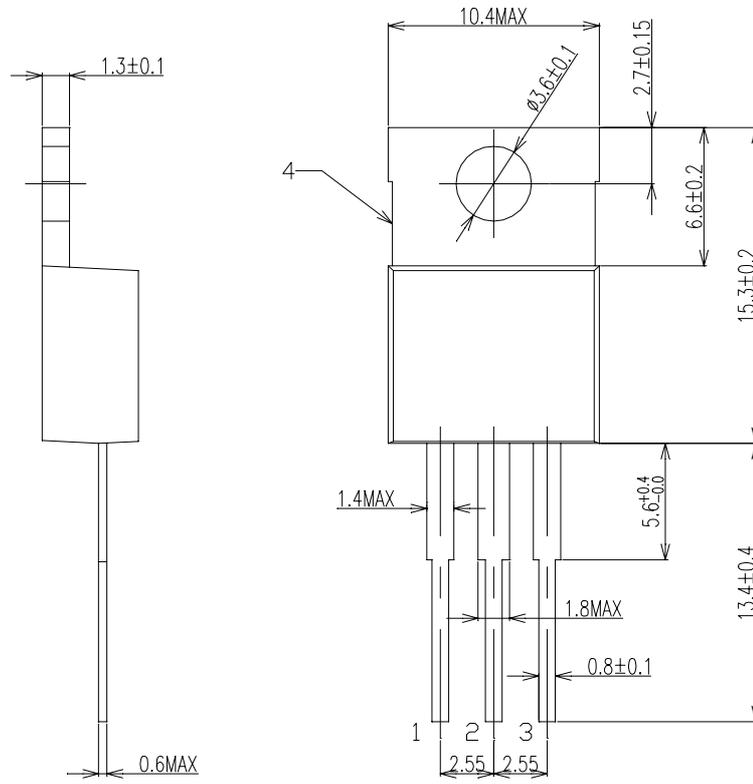
Approx Net Weight: 1.9g

Rating	Symbol	GSH05A09B		Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	90		V
Average Rectified Output Current	I <sub>O</sub>	5	T <sub>c</sub> =127°C 50 Hz half Sine Wave Resistive Load	A
RMS Forward Current	I <sub>F(RMS)</sub>	7.85		A
Surge Forward Current	I <sub>FSM</sub>	120	50Hz Half Sine Wave ,1cycle Non-repetitive	A
Operating JunctionTemperature Range	T <sub>jw</sub>	-40 to +150		°C
Storage Temperature Range	T <sub>stg</sub>	-40 to +150		°C
Mounting torque	F <sub>tor</sub>	recommended torque = 0.5		N•m

## Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I <sub>RM</sub>	T <sub>j</sub> = 25°C, V <sub>RM</sub> = V <sub>RRM</sub>	-	-	1	mA
Peak Forward Voltage	V <sub>FM</sub>	T <sub>j</sub> = 25°C, I <sub>FM</sub> = 5 A	-	-	0.85	V
Thermal Resistance	R <sub>th(j-c)</sub>	Junction to Case	-	-	5	°C /W

GSH05A09B OUTLINE DRAWING (Dimension in mm)



Single chip

