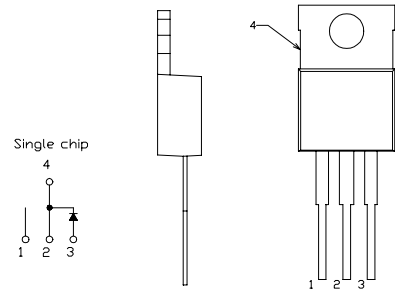


SBD Type : GSQ10A04B

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

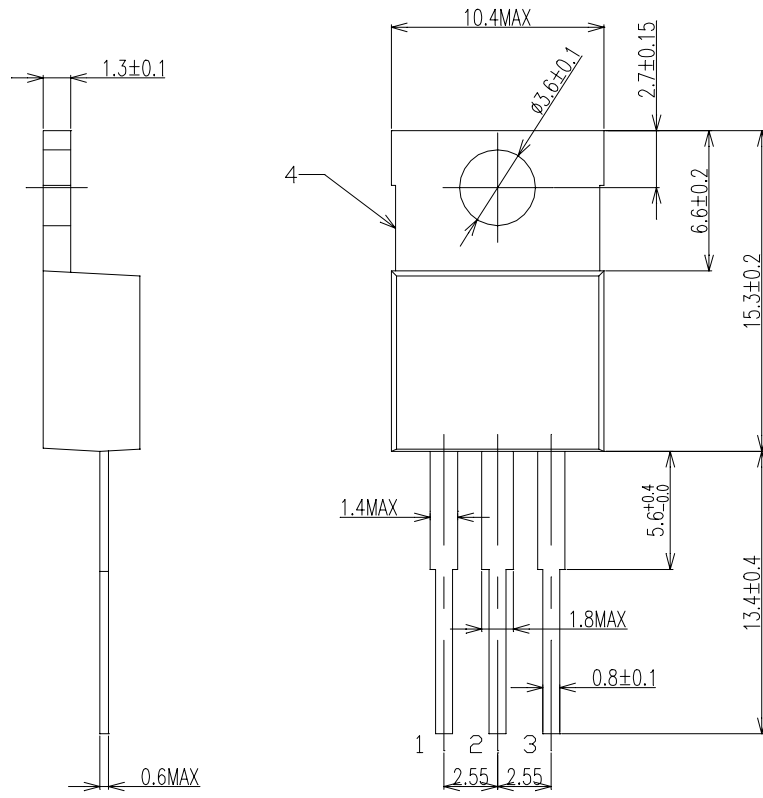
Approx Net Weight: 1.9g

Rating	Symbol	GSQ10A04B		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°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}	Tj= 25°C, $V_{RM}= V_{RRM}$	-	-	10	mA
Peak Forward Voltage	V_{FM}	Tj= 25°C, $I_{FM}= 10 A$	-	-	0.59	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	3	°C /W

GSQ10A04B OUTLINE DRAWING (Dimension in mm)



Single chip

