

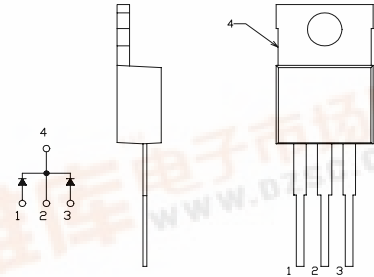


# SBD Type : GCH20A09

OUTLINE DRAWING

### FEATURES

- \*Similar to TO-220AB Case
- \*Dual Diodes – Cathode Common
- \*Low Forward Voltage Drop
- \*High Surge Capability
- \*Tj=150 °C operation



### Maximum Ratings

Approx Net Weight: 1.9g

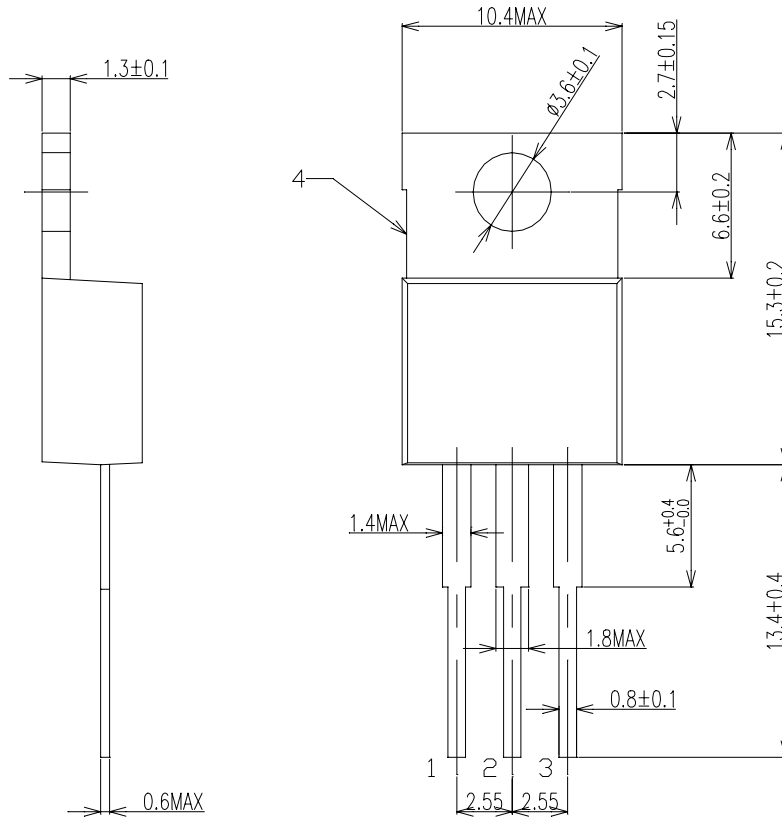
Rating	Symbol	GCH20A09			Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	90			V
Average Rectified Output Current	$I_O$	20	$T_c=121^{\circ}C$	50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	22.2			A
Surge Forward Current	$I_{FSM}$	180	50Hz Full Sine Wave ,1cycle Non-repetitive		A
Operating JunctionTemperature Range	$T_{jw}$	-40 to +150			°C
Storage Temperature Range	$T_{stg}$	-40 to +150			°C
Mounting torque	Ftor	recommended torque = 0.5			N•m

### Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	$I_{RM}$	$T_j= 25^{\circ}C, V_{RM}= V_{RRM}$ per arm	-	-	1	mA
Peak Forward Voltage	$V_{FM}$	$T_j= 25^{\circ}C, I_{FM}= 10 A$ per arm	-	-	0.88	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	1.5	°C/W



GCH20A09 OUTLINE DRAWING (Dimensions in mm)



Center Tap

