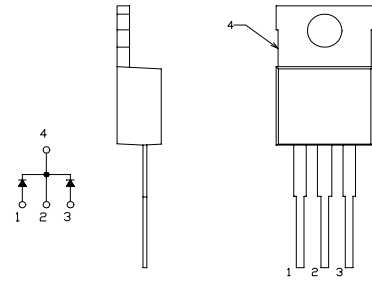


SBD Type : GCH20A10

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	GCH20A10			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	100			V
Average Rectified Output Current	I _O	20	Tc=120°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	F _{tor}	recommended torque = 0.5			N•m

Electrical • Thermal Characteristics

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

GCH20A10 OUTLINE DRAWING (Dimentions in mm)

