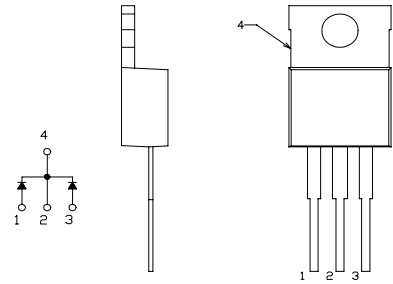


SBD Type : GCQ10A06

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

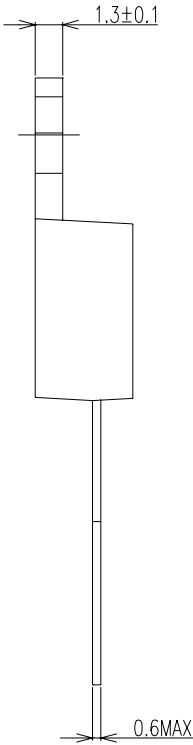
Approx Net Weight: 1.9g

Rating	Symbol	GCQ10A06			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	60			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	65			V
Average Rectified Output Current	I _O	10	Tc=108°C	50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	11.1			A
Surge Forward Current	I _{FSM}	110	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}	Tj= 25°C, $V_{RM}= V_{RRM}$ per arm	-	-	5	mA
Peak Forward Voltage	V_{FM}	Tj= 25°C, $I_{FM}= 5 A$ per arm	-	-	0.58	V
Thermal Resistance	Rth(j-c)	Junction to Case	-	-	3	°C /W

GCQ10A06 OUTLINE DRAWING (Dimentions in mm)



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1 2 3

