SBD Type :GCQ30A04

OUTLINE DRAWING

FEATURES

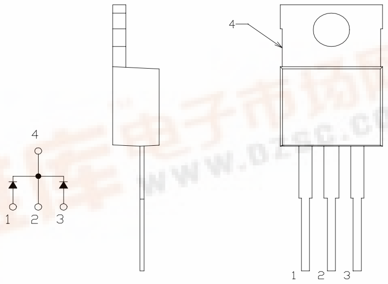
*Similar to TO-220AB Case

*Dual Diodes – Cathode Common

*Low Forward Voltage Drop

*High Surge Capability

*Tj=150 ℃ operation



Maximum Ratings

Approx Net Weight: 1.9g

Rating	Symbol	GCQ30A04			Unit
Repetitive Peak Reverse Voltage	V_{RRM}	40			V
Average Rectified Output Current	I_O	30	Tc=104℃	50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	33.3			A
Surge Forward Current	I_{FSM}	250	50Hz Full Sine Wave ,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T_{jw}	-40 to +150			℃
Storage Temperature Range	T_{stg}	-40 to +150			℃
Mounting torque	Ftor	recommended torque = 0.5			N•m

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	Tj= 25℃, V_{RM}= V_{RRM} per arm	-	-	15	mA
Peak Forward Voltage	V_{FM}	Tj= 25℃, I_{FM}= 15 A per arm	-	-	0.55	V
Thermal Resistance	Rth(j-c)	Junction to Case	-	-	1.5	℃ /W

Nihon Inter Electronics Corporation

GCQ30A04 OUTLINE DRAWING (Dimentions in mm)