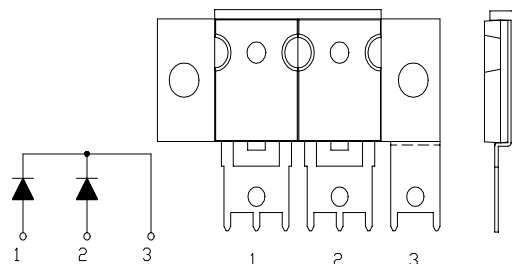


SBD Type : C120P04QE

OUTLINE DRAWING

FEATURES

- *Similar to TO-247AC (TO-3P) Case
- *Dual Diodes – Cathode Common
- *Low Forward Voltage Drop
- *Low Power Loss,High Efficiency
- *High Surge Capability
- *T_j=150 °C operation



Maximum Ratings

Approx Net Weight: 30g

Rating	Symbol	C120P04QE			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	40			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	45			V
Average Rectified Output Current	I _O	120	T _c =97°C	50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	133			A
Surge Forward Current	I _{FSM}	800	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}	Anode,Kathode Lead recommended torque 0.5			N•m
		Kathode Base recommended torque 2.4			

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I _{RM}	T _j = 25°C, V _{RM} = V _{RRM} per arm	-	-	40	mA
Peak Forward Voltage	V _{FM}	T _j = 25°C, I _{FM} = 60 A per arm	-	-	0.55	V
Thermal Resistance (Junction to Case)	R _{th(j-c)}	Junction to Case	-	-	0.45	°C/W

C120P04QE OUTLINE DRAWING (Dimensions in mm)

