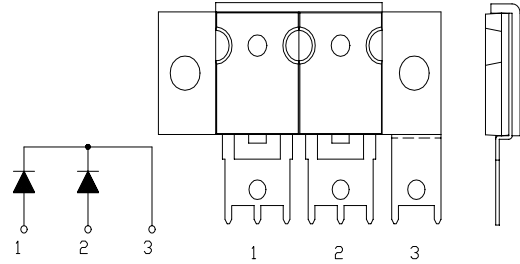


SBD Type : C120P04QE

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
- *Tj=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	$T_c=97^{\circ}C$	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}	$T_j= 25^{\circ}C, V_{RM}= V_{RRM}$ per arm	-	-	40	mA
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}C, I_{FM}= 60 A$ 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)

