

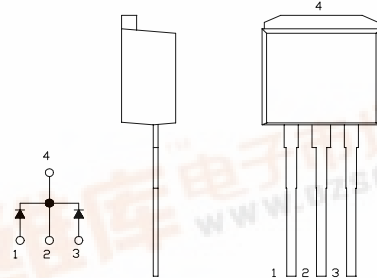


# SBD Type : C10T03QL-11A

OUTLINE DRAWING

## FEATURES

- \*Tabless TO-220
- \*Dual Diodes – Cathode Common
- \*Low Forward Voltage Drop
- \*High Surge Capability
- \*Tj=150 °C operation



## Maximum Ratings

Approx Net Weight: 1.45g

Rating	Symbol	C10T03QL-11A			Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	30			V
Repetitive Peak Surge Reverse Voltage	$V_{RRSM}$	35(pulse width $\leq 1\mu s$ duty $\leq 1/50$ )			V
Average Rectified Output Current	$I_O$	10	$T_c=116^\circ C$	50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	11.1			A
Surge Forward Current	$I_{FSM}$	120	50Hz Full Sine Wave ,1cycle Non-repetitive		A
Operating JunctionTemperature Range	$T_{jw}$	-40 to +150			$^\circ C$
Storage Temperature Range	$T_{stg}$	-40 to +150			$^\circ C$

## 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	-	-	5	mA
Peak Forward Voltage	$V_{FM}$	$T_j= 25^\circ C, I_{FM}= 5 A$ per arm	-	-	0.47	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	3	$^\circ C/W$



C10T03QL-11A OUTLINE DRAWING (Dimensions in mm)

