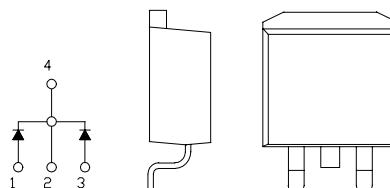


# SBD Type : C20T03QL

OUTLINE DRAWING

## FEATURES

- \*SQUARE-PAK TO-263AB(SMD)
- Packaged in 24mm Tape and Reel
- \*Dual Diodes – Cathode Common
- \*Low Forward Voltage Drop
- \*High Surge Capability
- \*T<sub>j</sub>=150 °C operation



## Maximum Ratings

Approx Net Weight: 1.4g

Rating	Symbol	C20T03QL		Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	30		V
Repetitive Peak Surge Reverse Voltage	V <sub>RRSM</sub>	35(pulse width ≤ 1μs duty ≤ 1/50)		V
Average Rectified Output Current	I <sub>O</sub>	20	T <sub>c</sub> =119°C 50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	I <sub>F(RMS)</sub>	22.2		A
Surge Forward Current	I <sub>FSM</sub>	180	50Hz Full Sine Wave ,1cycle Non-repetitive	A
Operating JunctionTemperature Range	T <sub>jw</sub>	-40 to +150		°C
Storage Temperature Range	T <sub>stg</sub>	-40 to +150		°C

## Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I <sub>RM</sub>	T <sub>j</sub> = 25°C, V <sub>RM</sub> = V <sub>RRM</sub> per arm	-	-	10	mA
Peak Forward Voltage	V <sub>FM</sub>	T <sub>j</sub> = 25°C, I <sub>FM</sub> = 10 A per arm	-	-	0.49	V
Thermal Resistance	R <sub>th(j-c)</sub>	Junction to Case	-	-	1.5	°C/W

C20T03QL OUTLINE DRAWING (Dimensions in mm)

