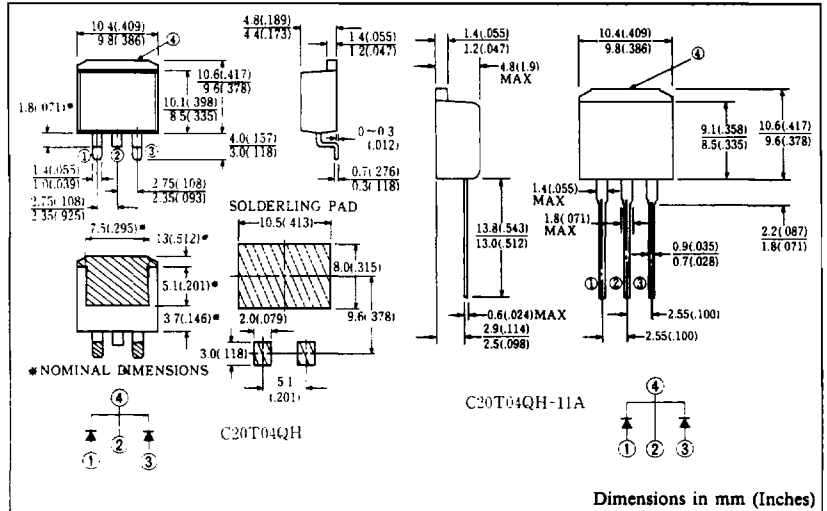


#### FEATURES

- **SQUARE-PAK** TO-263AB (SMD) Packaged in 24mm Tape and Reel : C20T04QH
- Tableless TO-220 : C20T04QH-11A
- Dual Diodes - Cathode Common
- Low Forward Voltage Drop
- High Surge Capability
- $T_j = 150^\circ\text{C}$  operation



Approx. Net Weight: 1.4 Grams

1.75 Grams

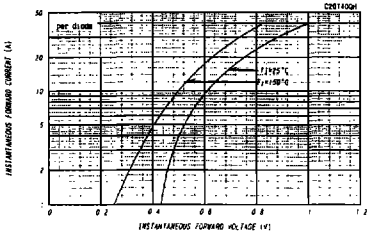
#### MAXIMUM RATINGS

Voltage Rating	Type	C20T04QH C20T04QH-11A		Unit
	Symbol			
Repetitive Peak Reverse Voltage	$V_{RRM}$	40		V
Electrical Rating	Symbol	Condition	Rating	Unit
Average Rectified Output Current	$I_o$	1 $\phi$ sine wave $T_c = 127^\circ\text{C}$	20	A
RMS Forward Current	$I_{F(RMS)}$		22.2	A
Peak One-cycle Forward Surge Current	$I_{FSM}$	50Hz full sine wave 1 cycle, non-repetitive	180	A
Operating Junction Temperature Range	$T_{jw}$		-40 to 150	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$		-40 to 150	$^\circ\text{C}$

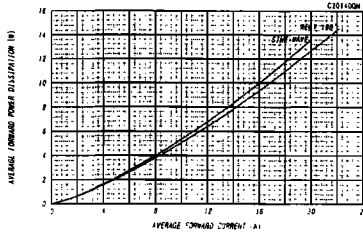
#### ELECTRICAL & THERMAL CHARACTERISTICS

Characteristics	Symbol	Test Condition	Max.	Unit
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 10\text{A}$ $T_j = 25^\circ\text{C}$ per diode leg	0.61	V
Peak Reverse Current	$I_{RM}$	$V_{RM} = V_{RRM}$ $T_j = 25^\circ\text{C}$ per diode leg	1.0	mA
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	1.5	$^\circ\text{C/W}$

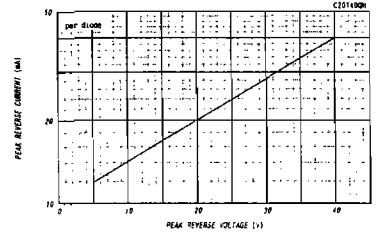
**FORWARD CURRENT VS. VOLTAGE**



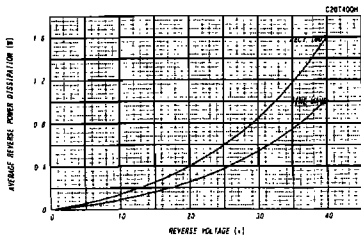
**AVERAGE FORWARD POWER DISSIPATION**



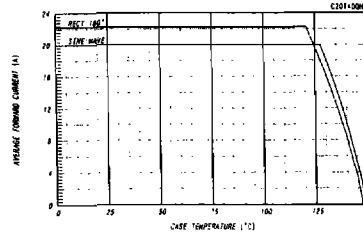
**PEAK REVERSE CURRENT VS. PEAK REVERSE VOLTAGE**



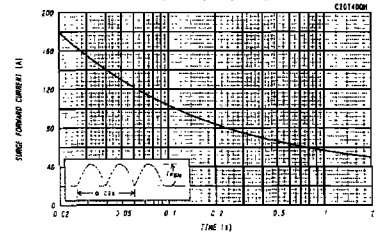
**AVERAGE REVERSE POWER DISSIPATION**



**AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE**



**SURGE CURRENT RATINGS**



**JUNCTION CAPACITANCE VS. REVERSE VOLTAGE**

