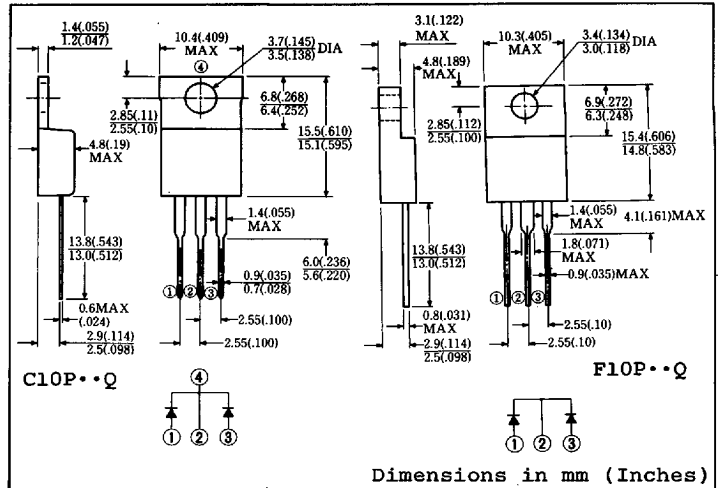


FEATURES

- Similar to TO-220AB Case
 - Fully Molded Isolation (F-Type)
 - Dual Diodes - Cathode Common
 - Low Forward Voltage Drop
 - Low Power Loss, High Efficiency
 - High Surge Capability
 - 20 Volts thru 100 Volts Types.
- Available



Approx. Net Weight: 1.9 Grams 1.75 Grams

MAXIMUM RATINGS

Voltage Rating	TYPE	◆ C10P03Q ◆ F10P03Q	C10P04Q F10P04Q	Unit	
	Symbol				
Repetitive Peak Reverse Voltage	V_{RRM}	30	40	V	
Non-Repetitive Peak Reverse Voltage	V_{RSM}	35	45	V	
Electrical Rating	Symbol	Condition		Rating	Unit
Average Rectified Output Current	I_o	Full rectangular wave conduction $T_c = 95^\circ C$		11	A
		Full sinusoidal wave conduction $T_c = 100^\circ C$		10	
RMS Forward Current	$I_F(RMS)$			11	A
Peak One-cycle Forward Surge Current	I_{FSM}	50Hz full sine wave, non-repetitive		120	A
Operating Junction Temperature Range	T_{jw}			-40 to 125	$^\circ C$
Storage Temperature Range	T_{stg}			-40 to 125	$^\circ C$
Mounting Torque	F_{tor}	Recommended torque		0.5 (5.1)	N*m (kgf*cm)

ELECTRICAL & THERMAL CHARACTERISTICS

Characteristics	Symbol	Test Condition	Max.	Unit
Peak Forward Voltage	V_{FM}	$I_{FM} = 5A$ $T_j = 25^\circ C$ per diode leg	0.55	V
Peak Reverse Current	I_{RM}	$V_{RM} = V_{RRM}$ $T_j = 25^\circ C$ per diode leg	5	mA
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	3	$^\circ C/W$
	$R_{th(c-f)}$	Case to Fin for F10P..Q Type	1.5	

◆ For spare parts only

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FIG.1-FORWARD VOLTAGE VS. FORWARD CURRENT

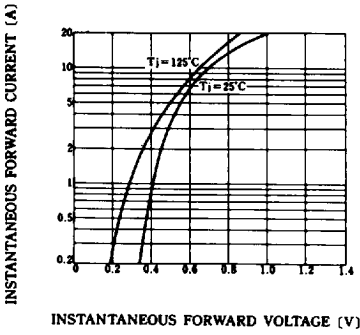


FIG.2-AVERAGE FORWARD POWER DISSIPATION

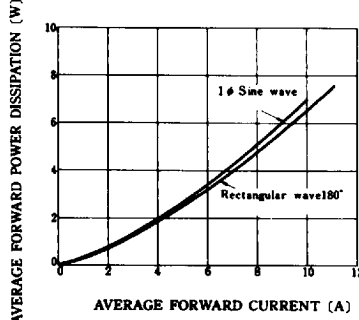


FIG.3-PEAK REVERSE CURRENT VS. PEAK REVERSE VOLTAGE

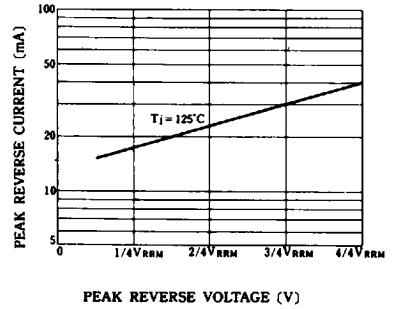


FIG.4-AVERAGE REVERSE POWER DISSIPATION

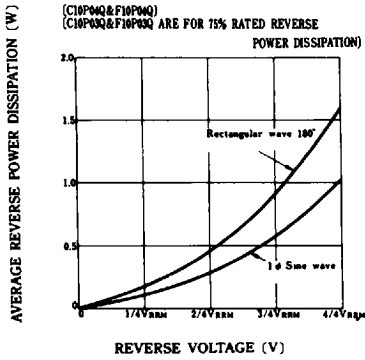


FIG.5-AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE

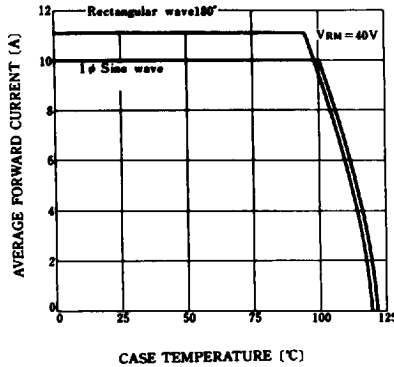


FIG.6-SURGE CURRENT RATINGS

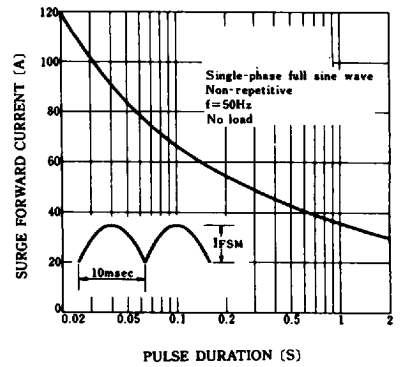
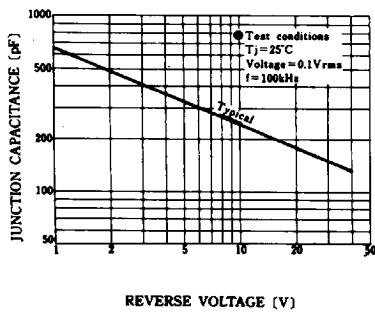


FIG.7-JUNCTION CAPACITANCE VS. REVERSE VOLTAGE



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