

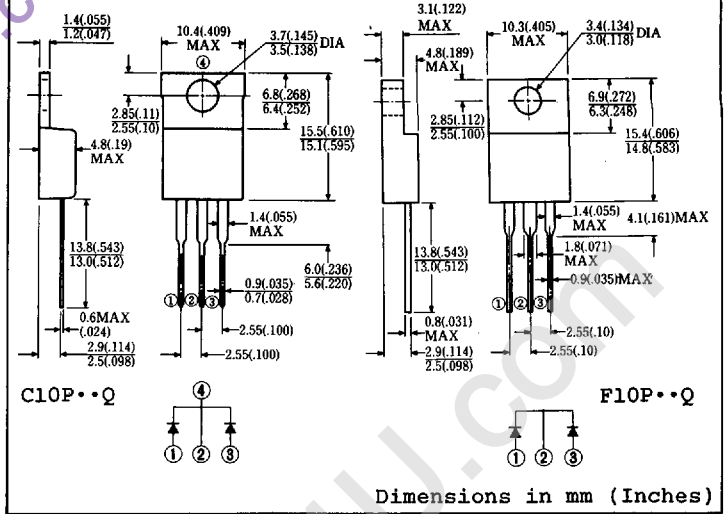
# SCHOTTKY BARRIER DIODE

11A/90~100V

C10P09Q C10P10Q  
F10P09Q F10P10Q

## 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	C10P09Q	C10P10Q	Unit	
	Symbol	F10P09Q	F10P10Q		
Repetitive Peak Reverse Voltage	$V_{RRM}$	90	100	V	
Non-Repetitive Peak Reverse Voltage	$V_{RSM}$	—	—	V	
Electrical Rating	Symbol	Condition		Rating	Unit
Average Rectified Output Current	$I_o$	Full rectangular wave conduction $T_C = 94^\circ\text{C}$		11	A
		Full sinusoidal wave conduction $T_C = 99^\circ\text{C}$		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	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$			-40 to 125	$^\circ\text{C}$
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	$V_{FM}$	$I_{FM} = 5A$ $T_j = 25^\circ\text{C}$ per diode leg	0.85	V
Peak Reverse Current	$I_{RM}$	$V_{RM} = V_{RRM}$ $T_j = 25^\circ\text{C}$ per diode leg	1	mA
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	3	$^\circ\text{C/W}$
	$R_{th(c-f)}$	Case to Fin for F10P••Q Type	1.5	

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