

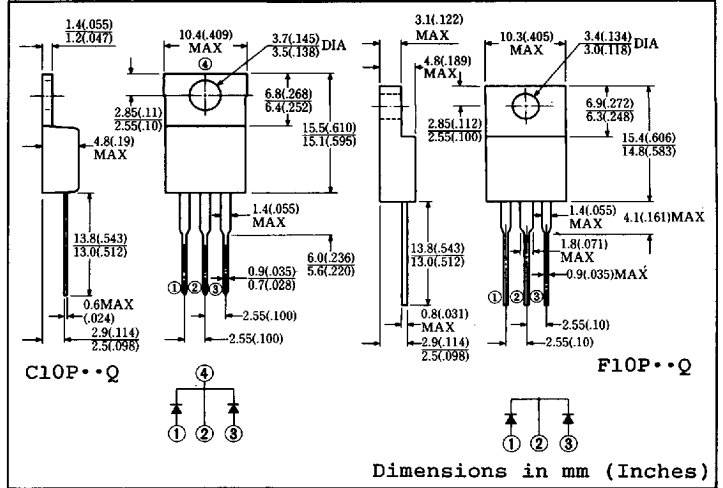
SCHOTTKY BARRIER DIODE

11A/50~60V

C10P05Q C10P06Q
F10P05Q F10P06Q

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	◆ C10P05Q ◆ F10P05Q	C10P06Q F10P06Q	Unit	
	Symbol				
Repetitive Peak Reverse Voltage	V_{RRM}	50	60	V	
Non-Repetitive Peak Reverse Voltage	V_{RSM}	55	65	V	
Electrical Rating	Symbol	Condition		Rating	Unit
Average Rectified Output Current	I_o	Full rectangular wave conduction $T_c = 91^\circ\text{C}$		11	A
		Full sinusoidal wave conduction $T_c = 98^\circ\text{C}$		10	
RMS Forward Current	$I_{F(RMS)}$			11	A
Peak One-cycle Forward Surge Current	I_{FSM}	50Hz full sine wave, non-repetitive		110	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	0.58	V
Peak Reverse Current	I_{RM}	$V_{RM} = V_{RRM}$ $T_j = 25^\circ\text{C}$ per diode leg	5	mA
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	3	$^\circ\text{C/W}$
	$R_{th(c-f)}$	Case to Fin for F10P06Q Type	1.5	

◆ For spare parts only

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