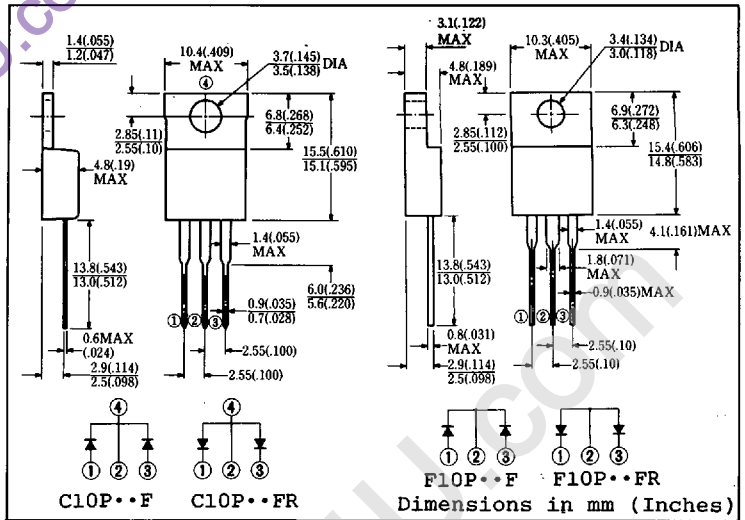


FAST RECOVERY DIODE 11A/100~200V/trr: 35nsec

C10P10F C10P20F F10P10F F10P20F
C10P10FR C10P20FR F10P10FR F10P20FR

FEATURES

- Similar to TO-220AB Case
- Fully Mold Isolation (F-Type)
- Dual Diodes - Cathode Common and Anode Common (Type - R)
- Ultra - Fast Recovery
- Low Forward Voltage Drop
- High Surge Capability
- 100 Volts thru 600 Volts Types Available



Approx. Net Weight: 1.9 Grams 1.75 Grams

MAXIMUM RATINGS

Voltage Rating	TYPE Symbol	◆C10P10F ◆F10P10F	C10P20F F10P20F	Unit	
		◆C10P10FR ◆F10P10FR	C10P20FR F10P20FR		
Repetitive Peak Reverse Voltage	V_{RRM}	100	200	v	
Non-Repetitive Peak Reverse Voltage	V_{RSM}	110	220	v	
Electrical Rating	Symbol	Condition		Rating	Unit
Average Rectified Output Current	I_o	Full rectangular wave conduction $T_C = 112^\circ C$		11	A
		Full sinusoidal wave conduction $T_C = 117^\circ C$		10	
RMS Forward Current	$I_{F(RMS)}$			11	A
Peak One-cycle Forward Surge Current	I_{FSM}	50Hz full sine wave, non-repetitive		80	A
Operating Junction Temperature Range	T_{jw}			-40 to 150	$^\circ C$
Storage Temperature Range	T_{stg}			-40 to 150	$^\circ C$
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	0.98	v
Peak Reverse Current	I_{RM}	$V_{RM} = V_{RRM}$ $T_j = 25^\circ C$ per diode leg	20	μA
Reverse Recovery Time	t_{rr}	$I_{FM} = 5A$ $-di/dt = 50A/\mu s$ $T_j = 25^\circ C$	35	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	3	$^\circ C/W$
	$R_{th(c-f)}$	Case to Fin for F10P type	1.5	

◆ For spare parts only

6615123 0002253 8T5

