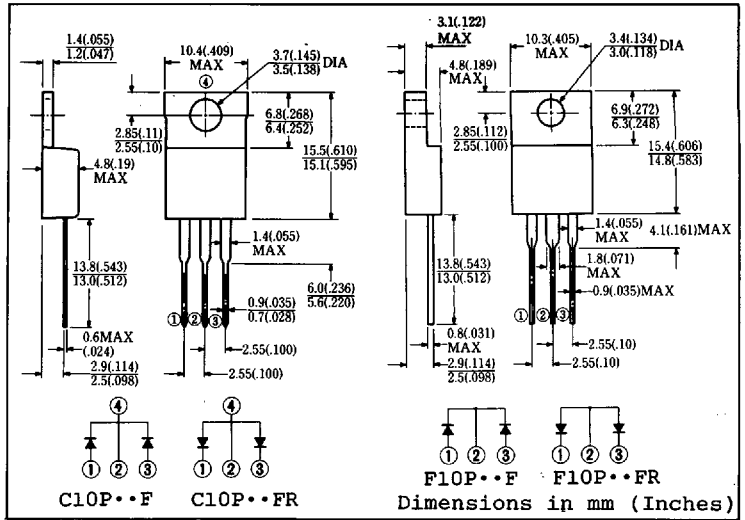


# FAST RECOVERY DIODE 11A/100~200V/trr: 35nsec

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



## MAXIMUM RATINGS

Voltage Rating	TYPE Symbol	◆C10P10F ◆F10P10F ◆C10P10FR ◆F10P10FR		C10P20F	F10P20F	Unit
				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 $T_C = 112^\circ\text{C}$			11	A
		Full sinusoidal wave conduction $T_C = 117^\circ\text{C}$			10	
RMS Forward Current	$I_F(\text{RMS})$				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	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$				-40 to 150	$^\circ\text{C}$
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	0.98	v
Peak Reverse Current	$I_{RM}$	$V_{RM} = V_{RRM}$ $T_j = 25^\circ\text{C}$ per diode leg	20	$\mu\text{A}$
Reverse Recovery Time	$t_{rr}$	$I_{FM} = 5A$ $-di/dt = 50A/\mu\text{s}$ $T_j = 25^\circ\text{C}$	35	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	3	$^\circ\text{C}/\text{W}$
	$R_{th(c-f)}$	Case to Fin for F10P type	1.5	

◆ For spare parts only

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