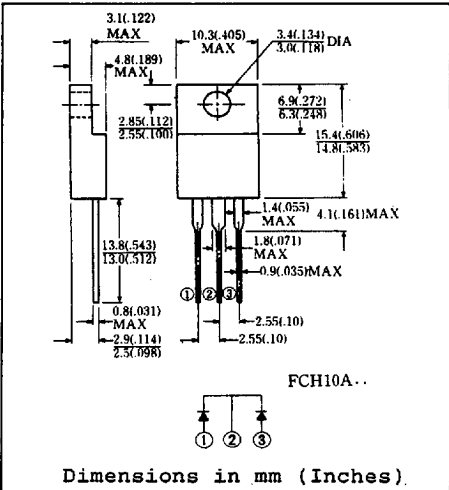
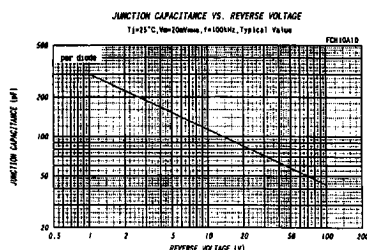
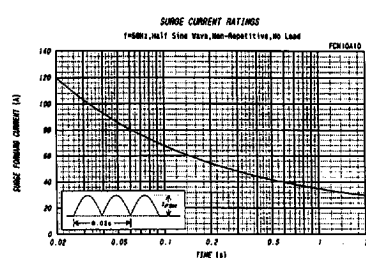
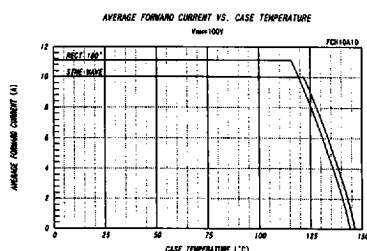
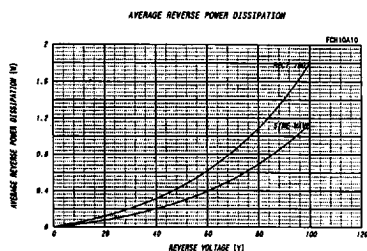
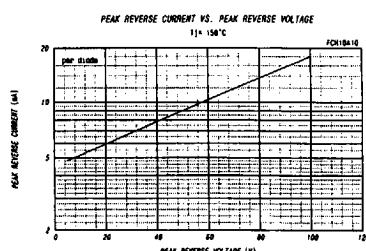
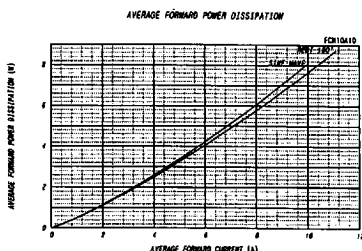
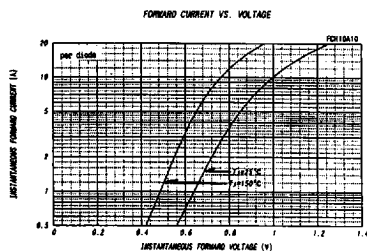


- FEATURES
- Similar to TO-220AB Case
 - Fully Molded Isolation
 - Dual Diodes-Cathode Common
 - Low Forward Voltage Drop
 - Low Power Loss, High Efficiency
 - High Surge Capability
 - $T_j=150^{\circ}\text{C}$ operation



MAXIMUM RATINGS				
Voltage Rating	Type Symbol	FCH10A10		Unit
Repetitive Peak Reverse Voltage	V_{RRM}	100		V
Non-Repetitive Peak Reverse Voltage	V_{RSM}	—		V
Electrical Rating	Symbol	Condition	Rating	Unit
Average Rectified Output Current	I_o	50Hz full sine wave $T_c=122^{\circ}\text{C}$	10	A
RMS Forward Current	$I_{F(RMS)}$		11	A
Peak One-cycle Forward Surge Current	I_{FSM}	50Hz half sine wave, non-repetitive	120	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°C per diode leg	0.85	V
Peak Reverse Current	I _{RM}	V _{RM} =V _{RRM}	T _j =25°C per diode leg	1.0	mA
Thermal Resistance	R _{th(j-c)}	Junction to Case		3	°C/W
	R _{th(c-f)}	Case to Fin		1.5	



6615123 0002034 081