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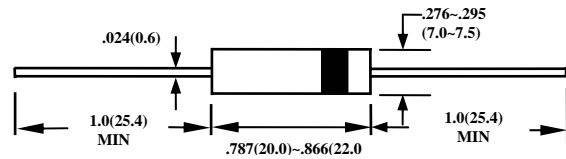
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HIGH VOLTAGE FAST RECOVERY AIR CLEANER RECTIFIER

FH10M-08 FH10M-10 FH10M-12 FH10M-16 FH10M-20 FH10M-24

FEATURES

- DESIGNED FOR AIR CLEANER APPLICATION
- PLASTIC PACKAGE HAS UNDERWRITERS LABORATORY FLAMMABILITY CLASSIFICATION 94 V-0
- LOW FORWARD VOLTAGE DROP
- TYPICAL IR LESS THAN 1 μ A
- HIGH OVER LOAD SURGE CAPABILITY



MECHANICAL DATA

- CASE: TRANSFER MOLDED, FH, DIMENSIONS IN INCHES AND (MILLIMETERS)
- LEADS: SOLDERABLE PER MIL-STD-202, METHOD 208
- POLARITY: CATHODE INDICATED BY COLOR BAND
- WEIGHT :2.4 GRAMS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

RATINGS	SYMBOL	FH10M-08	FH10M-10	FH10M-12	FH10M-16	FH10M-20	FH10M-24	UNITS
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	V_{RRM}	8000	10000	12000	16000	20000	24000	V
MAXIMUM RMS VOLTAGE	V_{RMS}	5600	7000	8400	11200	14000	16800	V
MAXIMUM DC BLOCKING VOLTAGE	V_{DC}	8000	10000	12000	16000	20000	24000	V
AVERAGE FORWARD CURRENT	I_O	10						mA
NON-REPETITIVE PEAK SURGE CURRENT	I_{FSM}	0.5						A
TYPICAL JUNCTION CAPACITANCE	C_J	1.0						PF
STORAGE TEMPERATURE RANGE	T_{STG}	- 55 TO + 135						°C
OPERATING TEMPERATURE RANGE	T_{OP}	- 55 TO + 135						°C

ELECTRICAL CHARACTERISTICS (A_T T_A =25°C UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	FH10M-08	FH10M-10	FH10M-12	FH10M-16	FH10M-20	FH10M-24	UNITS
MAXIMUM FORWARD VOLTAGE DROP AT 10mA, T _A =25°C	V_F	25.0	30.0	37.5	50.0	62.5	75.0	V
MAXIMUM REVERSE CURRENT AT 25°C	I_R	5						μ A
MAXIMUM REVERSE RECOVERY TIME AT I _F =2mA, V _R 18/24V	T_{RR}	100						nS