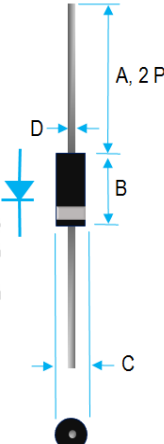


## FAST RECOVERY HIGH VOLTAGE MICROWAVE OVEN RECTIFIER



Dim.	Value Inch[mm]	
	Min.	Max.
A	0.866[22.00]	---
B	0.787[19.99]	0.866[22.00]
C	0.267[6.78]	0.295[7.49]
D	0.048[1.22]	0.052[1.32]

### PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. DESIGNED MICROWAVE OVEN AND AIR CLEANER
3. TYPICAL  $I_R$  LESS THAN 1uA
4. CASE: HV03 TRANSFER MOLDED
5. DIMENSIONS IN INCHES AND (MILLIMETERS)
6. POLARITY: INDICATED BY CATHODE BAND
7. WEIGHT: 2.8 GRAMS
8. LEADS: SOLDERABILITY PER MIL-STD-202 METHOD 208
9. PULLING TEST: 2.3 KG
10. RoHS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -55°C TO +120°C. SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%.

RATINGS	SYMBOL	VALUE	UNITS
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT @ TL=55°C	$I_O$	0.35	A
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	$I_{FSM}$	15	A
MAXIMUM REVERSE CURRENT @ 25°C, VDC	$I_R$	10	uA
MAXIMUM REVERSE RECOVERY TIME (NOTE1)	$T_{RR}$	150	nS

1. REVERSE RECOVERY TIME TEST CONDITIONS,  $I_F/I_{RP} = 100/100$  (mA) 90% RECOVER
2. MAXIMUM FORWARD VOLTAGE @  $I_O$

PART NUMBER	MAX RECURRENT PK REV VOLTAGE $V_{RRM}$ (V)	MAX RMS VOLTAGE $V_{RMS}$ (V)	MAX DC BLOCKING VOLTAGE $V_{DC}$ (V)	MAX FWD VOLTAGE $V_F$ (V)
FHV03-08	7500	5250	7500	13.5
FHV03-09	8500	5950	8500	14



## RATING AND CHARACTERISTIC CURVES

FIG. 1-FORWARD CURRENT DERATING CURVE

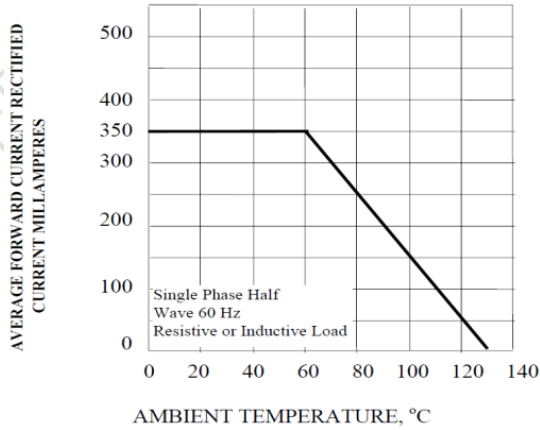


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE RATING

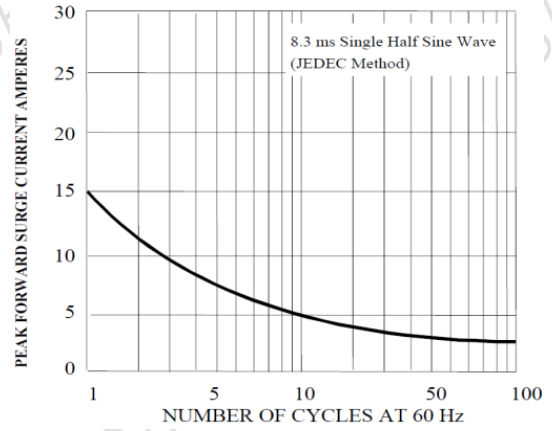


FIG. 3-TYPICAL REVERSE CHARACTERISTICS

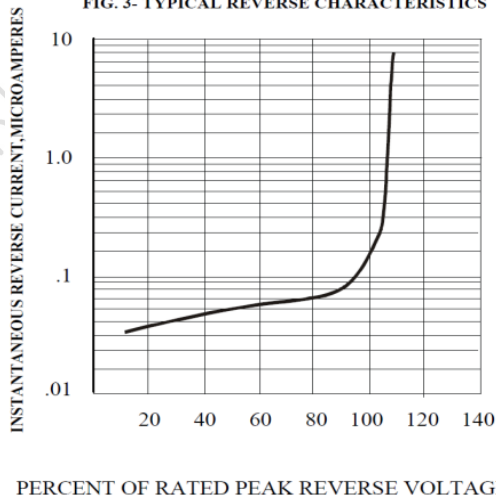


FIG. 4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

