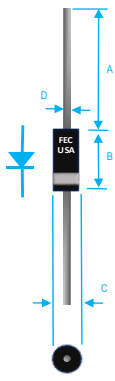


## FAST RECOVERY HIGH VOLTAGE MICROWAVE OVEN RECTIFIER

 <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Dim.</th> <th colspan="2">Value in [mm]</th> </tr> <tr> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>0.866[22.00]</td> <td>→</td> </tr> <tr> <td>B</td> <td>0.787[19.99]</td> <td>0.866[22.00]</td> </tr> <tr> <td>C</td> <td>0.267[6.78]</td> <td>0.295[7.49]</td> </tr> <tr> <td>D</td> <td>0.048[1.22]</td> <td>0.052[1.32]</td> </tr> </tbody> </table>	Dim.	Value in [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]	<h3>PRODUCT FEATURES</h3> <ol style="list-style-type: none"> <li>1. FLAMMABILITY CLASSIFICATION: 94V-0</li> <li>2. DESIGNED MICROWAVE OVEN AND AIR CLEANER</li> <li>3. TYPICAL IR LESS THAN 1uA</li> <li>4. CASE: HV03 TRANSFER MOLDED</li> <li>5. DIMENSIONS IN INCHES AND (MILLIMETERS)</li> <li>6. POLARITY: INDICATED BY CATHODE BAND</li> <li>7. WEIGHT : 2.8 GRAMS</li> <li>8. TERMINALS : PER MIL-STD-202, METHOD 208</li> <li>9. PULLING TEST: 2.3 KG</li> <li>10. ROHS</li> </ol>
Dim.		Value in [mm]																
	Min.	Max.																
A	0.866[22.00]	→																
B	0.787[19.99]	0.866[22.00]																
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MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -55°C TO + 150°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	IO	0.35	A
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	IFSM	15	A
MAXIMUM REVERSE CURRENT @ 25°C, VDC	IR	10	uA
MAXIMUM REVERSE RECOVERY TIME (NOTE1)	TRR	150	nS

1. REVERSE RECOVERY TIME TEST CONDITIONS, IF/ IRP = 100/100 (mA) 90% RECOVER

2. MAXIMUM FORWARD VOLTAGE @ Io

PART NUMBER	MAX RECURRENT PK REV VOLTAGE VRRM (V)	MAX RMS VOLTAGE VRMS (V)	MAX DC BLOCKING VOLTAGE VDC (V)	MAX FWD VOLTAGE VF (V)
FHV03-08	7500	5200	7500	13.5
FHV03-09	8500	5950	8500	14



## RATING AND CHARACTERISTIC CURVES

FIG. 1-FORWARD CURRENT DERATING CURVE

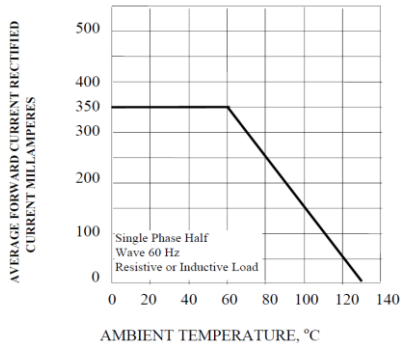


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE RATING

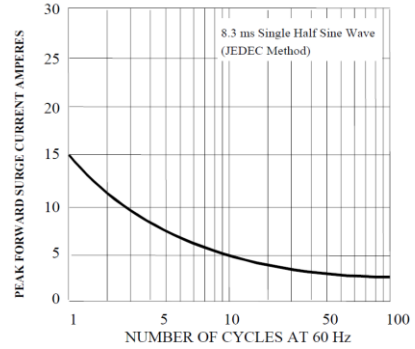


FIG. 3-TYPICAL REVERSE CHARACTERISTICS

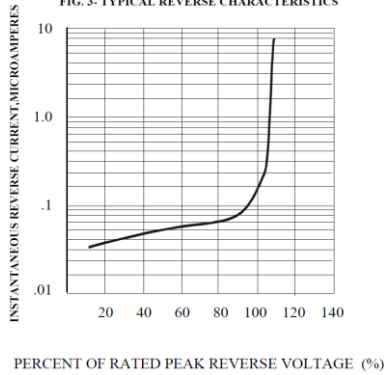


FIG. 4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

