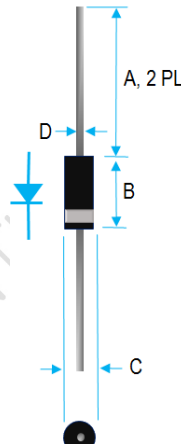


## HIGH VOLTAGE MICROWAVE OVEN RECTIFIER

 <table border="1" data-bbox="357 420 698 567"> <thead> <tr> <th rowspan="2">Dim.</th> <th colspan="2">Value Inch[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 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]	<h3>PRODUCT FEATURES</h3> <ol style="list-style-type: none"> <li>1. FLAMMABILITY CLASSIFICATION: 94V-0</li> <li>2. TYPICAL <math>I_R</math> LESS THAN 1uA</li> <li>3. LOW FORWARD VOLTAGE DROP</li> <li>4. HIGH SURGE CURRENT CAPABILITY</li> <li>5. CASE: HV03 TRANSFER MOLDED</li> <li>6. DIMENSIONS IN INCHES AND (MILLIMETERS)</li> <li>7. POLARITY: INDICATED BY CATHODE BAND</li> <li>8. WEIGHT: 2.8 GRAMS</li> <li>9. LEADS: SOLDERABILITY PER MIL-STD-202 METHOD 208</li> <li>10. PULLING TEST: 2.3 KG</li> <li>11. RoHS</li> </ol>
Dim.		Value Inch[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 -40°C TO +130°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	$I_o$	0.55	A
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	$I_{FSM}$	30	A
MAXIMUM REVERSE CURRENT @ 25°C, VDC	$I_R$	5	uA

1. 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)
HV05-08	8000	5600	8000	10
HV05-09	9000	6300	9000	10
HV05-10	10000	7000	10000	12
HV05-12	12000	8400	12000	12
HV05-14	14000	9800	14000	15
HV05-15	15000	10500	15000	15
HV05-16	16000	11200	16000	15



## RATING AND CHARACTERISTIC CURVES

FIG. 1-FORWARD CURRENT DERATING CURVE

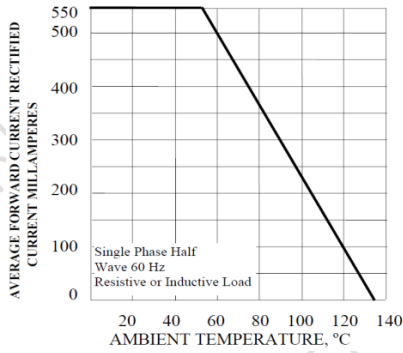


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE RATING

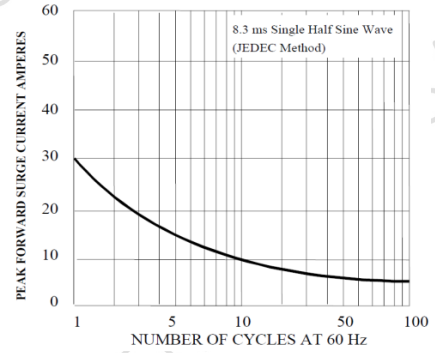


FIG. 3-TYPICAL REVERSE CHARACTERISTICS

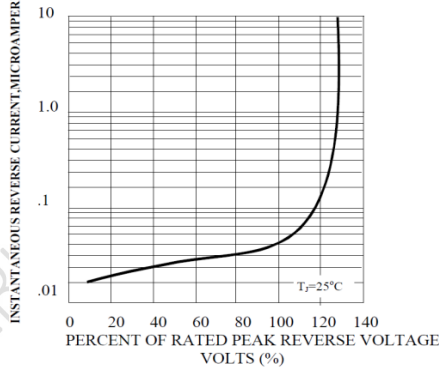


FIG. 4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

