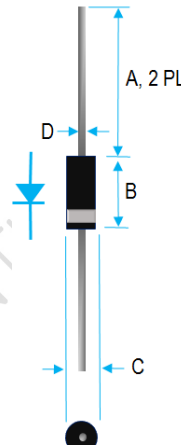




HV03-08 THRU HV03-16 SPECIFICATIONS

Rev. A

HIGH VOLTAGE MICROWAVE OVEN RECTIFIER

 <table data-bbox="355 417 696 554"><tr><th rowspan="2">Dim.</th><th colspan="2">Value Inch[mm]</th></tr><tr><th>Min.</th><th>Max.</th></tr><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></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]	PRODUCT FEATURES 1. FLAMMABILITY CLASSIFICATION: 94V-0 2. TYPICAL I_R LESS THAN 1uA 3. LOW FORWARD VOLTAGE DROP 4. HIGH SURGE CURRENT CAPABILITY 5. CASE: HV03 TRANSFER MOLDED 6. DIMENSIONS IN INCHES AND (MILLIMETERS) 7. POLARITY: INDICATED BY CATHODE BAND 8. WEIGHT: 2.8 GRAMS 9. LEADS: SOLDERABILITY PER MIL-STD-202 METHOD 208 10. PULLING TEST: 2.3 KG 11. RoHS
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]																

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	0.35	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)
HV03-08	8000	5600	8000	10
HV03-09	9000	6300	9000	10
HV03-10	10000	7000	10000	10
HV03-12	12000	8400	12000	12
HV03-14	14000	9800	14000	15
HV03-15	15000	10500	15000	15
HV03-16	16000	11200	16000	15



RATING AND CHARACTERISTIC CURVES

FIG. 1-FORWARD CURRENT DERATING CURVE

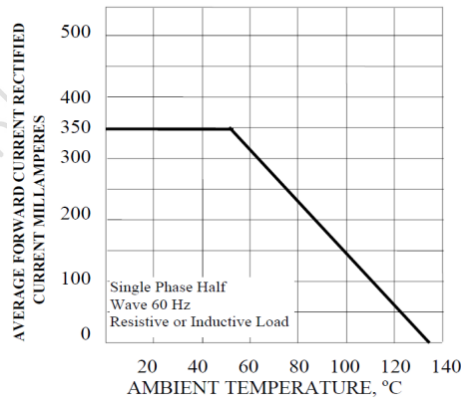


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE RATING

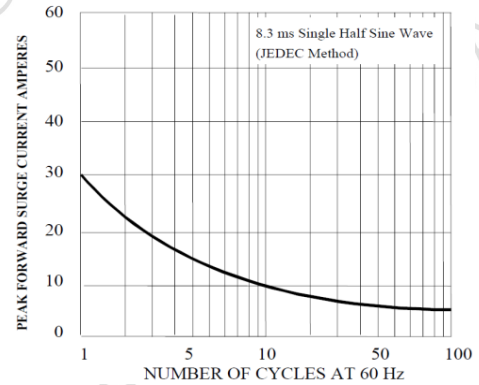


FIG. 3-TYPICAL REVERSE CHARACTERISTICS

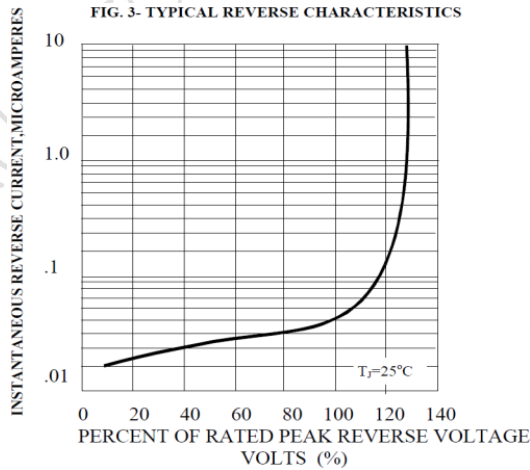


FIG. 4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

