

## HIGH VOLTAGE RECTIFIER ASSEMBLIES

Dim.	Value Inch[mm]	
	Min.	Max.
A	2.962[75.23]	3.012[76.50]
B	2.400[60.96]	2.520[64.01]
C	1.634[41.50]	1.673[42.49]
D	1.516[38.51]	1.634[41.50]
E	0.732[18.59]	0.772[19.61]
F	0.708[17.98]	0.748[19.00]
G	0.395[10.03]	0.472[11.99]
H	0.240[6.10]	0.256[6.50]
I	0.236[5.99]	0.276[7.01]
J	0.120[3.05]	0.142[3.61]
K	0.307[7.80]	0.323[8.20]
L	0.157[3.99]	0.173[4.39]
M	0.030[0.76]	0.033[0.84]

### PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. LOW LEAKAGE
3. LOW FORWARD VOLTAGE DROP
4. HIGH SURGE CURRENT CAPABILITY
5. CASE: HV07 ISOLATED CASE
6. DIMENSIONS IN INCHES AND (MILLIMETERS)
7. POLARITY: AS MARKED
8. WEIGHT: 30 GRAMS
9. RoHS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -20°C TO +135°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 @ TC=60°C	$I_o$	0.75	A
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	$I_{FSM}$	50	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)
HV07-08	8000	5600	8000	10
HV07-09	9000	6300	9000	10
HV07-10	10000	7000	10000	10
HV07-12	12000	8400	12000	14
HV07-14	14000	9800	14000	14
HV07-15	15000	10500	15000	14
HV07-16	16000	11200	16000	16
HV07-20	20000	14000	20000	16



## RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

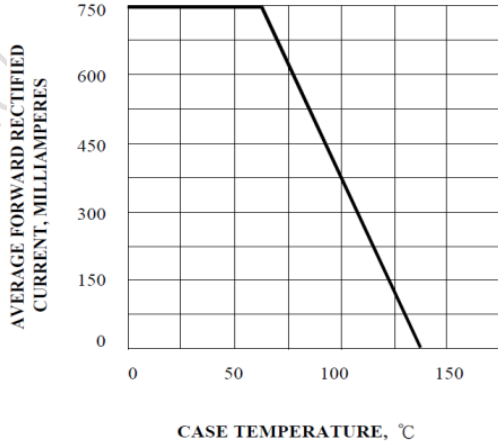


FIG. 2 - TYPICAL REVERSE CHARACTERISTICS 25°C T<sub>A</sub>

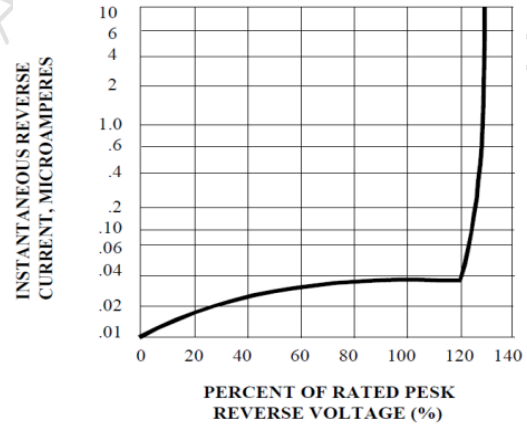


FIG. 3 - PEAK FORWARD SURGE RATING

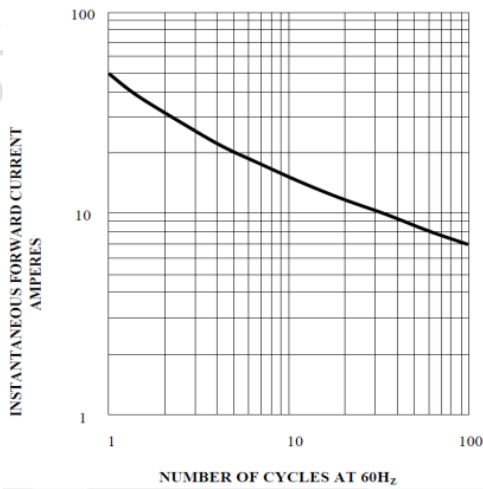


FIG. 4 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

