

DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

HVM5 **THRU** HVM16

TECHNICAL SPECIFICATIONS OF HIGH VOLTAGE ASSEMBLIED RECTIFIER VOLTAGE RANGE - 5000 to 16000 Volts CURRENT - 0.35 Ampere

FEATURES

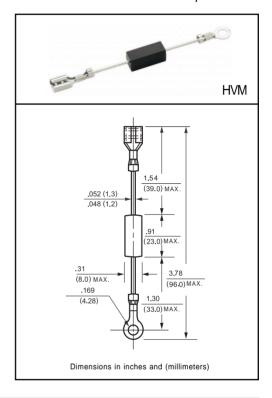
- * Low cost
- * Low leakage
- * Isolated case
- * Surge overload rating 50 amperes peak
- * Low forward voltage drop

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Lead: MIL-STD-202E, Method 208 guaranteed
- * Polarity: Color band denotes cathode end
- * Mounting position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.



	SYMBOL	HVM5	HVM8	HVM10	HVM12	HVM14	HVM15	HVM16	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	5	8	10	12	14	15	16	K Volts
Maximum RMS Voltage	VRMS	3.5	5.6	7.0	8.4	9.8	10.5	11.2	K Volts
Maximum DC Blocking Voltage	VDC	5	8	10	12	14	15	16	K Volts
Maximum Average Forward Rectified Current at TA = 50°C	lo	350							mAmps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50							Amps
Maximum Instantaneous Forward Voltage at 0.35A DC	VF	8.0	8.0 13.5 14.0					Volts	
Maximum DC Reverse Current at Rated DC Blocking Voltage TA= 25°C	lr	5.0							uAmps
Operating and Storage Temperature Range	TJ,TSTG	-20 to + 135							٥C

NOTES:1. Enough heat sink must be considered in application.
2. Suffix "-Tox" (e.g.-T01,-T02,....) for Terminal type.

