HVM5-HVM16

0.35A Axial Leaded High Voltage Rectifier

Features

- Low cost
- Low lekage
- 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 @ T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz,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	V_{RRM}	5000	8000	10000	12000	14000	15000	16000	V
Maximum RMS Voltage	V_{RMS}	3500	5600	7000	8400	9800	10500	11200	V
Maximum DC Blocking Voltage	V_{DC}	5000	8000	10000	12000	14000	15000	16000	V
Maximum Average Forward Rectified Current at T_A=50°C	I_o	0.35							A
		0.45							
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	50							A
Maximum Instantaneous Forward Voltage at 0.35/0.45A DC	V_F	8.0	13.5			14.0			V
Maximum DC Reverse Current at Rated DC Blocking Voltage T_A=25°C	I_R	5.0							A

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