



DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

HVR6x2

TECHNICAL SPECIFICATIONS OF HIGH VOLTAGE PROTECTOR DIODE

FEATURES

- \* Low leakage current
- \* High overload surge capability
- \* Controlled avalanche characteristic combined with the ability to dissipate reverse power
- \* Ideal for microwave oven application

MECHANICAL DATA

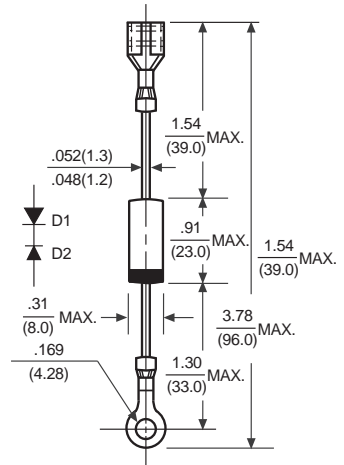
- \* Case: Molded plastic
- \* Epoxy: UL 94V-0 rate flame retardant
- \* Lead: MIL-STD-202E, Method 208 guaranteed
- \* Mounting position: Any

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%.



HVM



Dimensions in inches and (millimeters)

	SYMBOL	D1	D2	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	6000	1500	Volts
Maximum RMS Voltage	V <sub>RMS</sub>	4200	1050	Volts
Maximum DC Blocking Voltage	V <sub>DC</sub>	6000	1500	Volts
Reverse Avalanche Breakdown Voltage @ I <sub>R</sub> =100μA	V <sub>BR</sub>	7000 MIN.	2100-2800	Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage T <sub>A</sub> = 25°C	I <sub>R</sub>	10		μAmps
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-40 to +130		°C