



# HVUF SERIES

2.5 to 25kV, 500mA, 75nS  
Axial Lead Rectifier Assemblies



## Features

- Medium Current
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

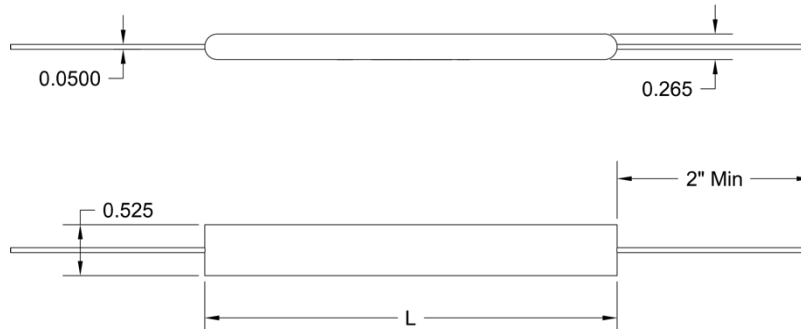
## Specifications<sup>1</sup>

| Part Number | V <sub>RRM</sub><br>V | I <sub>FAVM</sub><br>mA | V <sub>F</sub><br>V | I <sub>R</sub><br>μA | I <sub>FSM</sub><br>A | T <sub>RR</sub><br>nS | L<br>in. |
|-------------|-----------------------|-------------------------|---------------------|----------------------|-----------------------|-----------------------|----------|
| HVUF2500    | 2500                  | 500                     | 3.3                 | 1                    | 35                    | 75                    | 1.125    |
| HVUF5000    | 5000                  | 500                     | 5.5                 | 1                    | 35                    | 75                    | 1.125    |
| HVUF7500    | 7500                  | 500                     | 8.8                 | 1                    | 35                    | 75                    | 1.625    |
| HVUF10000   | 10000                 | 500                     | 11.0                | 1                    | 35                    | 75                    | 2.000    |
| HVUF12500   | 12500                 | 500                     | 15.0                | 1                    | 35                    | 75                    | 2.750    |
| HVUF15000   | 15000                 | 500                     | 17.0                | 1                    | 35                    | 75                    | 2.750    |
| HVUF20000   | 20000                 | 500                     | 22.0                | 1                    | 35                    | 75                    | 3.500    |
| HVUF25000   | 25000                 | 500                     | 28.0                | 1                    | 35                    | 75                    | 4.250    |

| Temperature °C               |            |
|------------------------------|------------|
| Storage Temperature          | -55 to 150 |
| Operating Temperature        | -55 to 150 |
| Maximum Junction Temperature | 150        |

<sup>1</sup>25°C ambient temperature unless stated otherwise.

## Drawings



Dimensions in inches, tolerances ±0.020 except as noted

## Specification Definitions

| Specifications    | Conditions  |
|-------------------|---|
| V <sub>RRM</sub>  | Maximum Repetitive Reverse Voltage -  |
| I <sub>FAVM</sub> | Maximum Average Forward Current At T <sub>A</sub> = 55°C  |
| V <sub>F</sub>    | Maximum Forward Voltage Drop At I <sub>FAVM</sub>   |
| I <sub>R</sub>    | Maximum Leakage Current At V <sub>RRM</sub>   |
| I <sub>FSM</sub>  | Maximum Surge Current At 8.3mS, Single Half Sine  |
| T <sub>RR</sub>   | Maximum Reverse Recovery Time I <sub>F</sub> = 250mA; I <sub>R</sub> = -500mA; I <sub>RR</sub> = -125mA |

Note: Specifications subject to change without notice. Photo is representation only.

