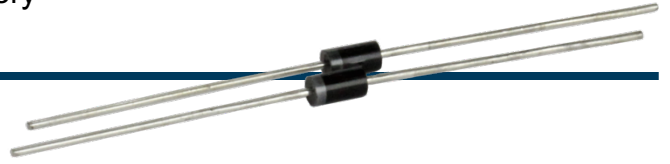




# HVA SERIES

3 to 5kV, 500 to 800mA, Standard Recovery  
Axial Lead High Temperature Diodes



## Features

- High Temperature Operation to 175°C
- Avalanche Energy Rated
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material
- Glass Passivated

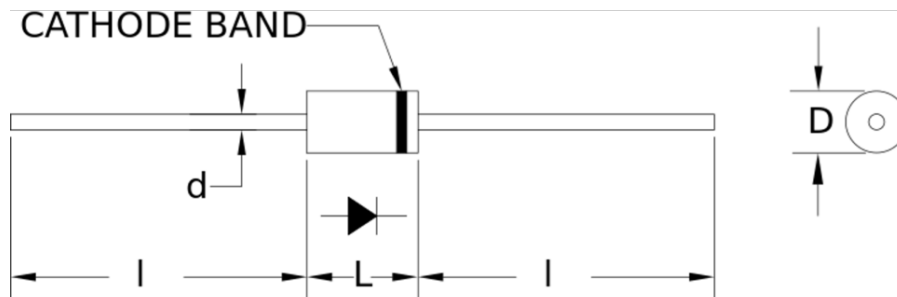
## Specifications<sup>1</sup>

Part Number	V <sub>RRM</sub> V	V <sub>F</sub> V	I <sub>FAVM</sub> mA	I <sub>R</sub> μA	I <sub>FSM</sub> A	V <sub>Z</sub> V	E <sub>RSM</sub> mJ	L in.	D in.	d in.	l in.
HVA3K	3000	3.2	800	0.5	30	4500	15	0.2	0.12	0.032	1.0
HVA5K	5000	5.0	500	0.5	30	7500	35	0.2	0.12	0.032	1.0

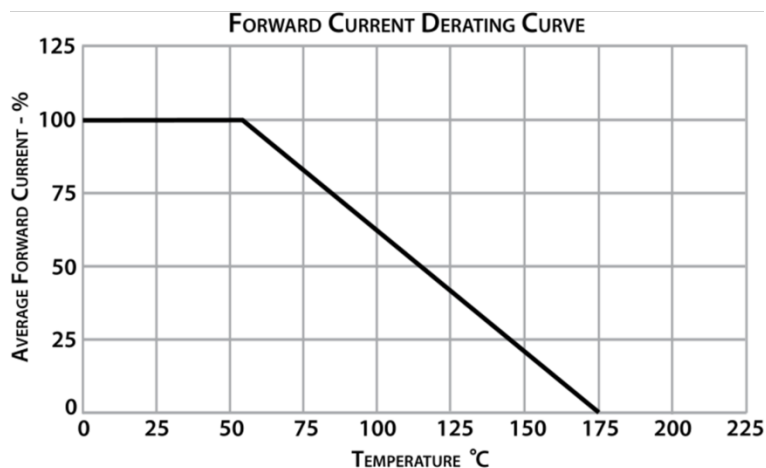
Temperature °C	
Storage Temperature	-55 to 175
Operating Temperature	-55 to 175
Maximum Junction Temperature	175

<sup>1</sup>125°C ambient temperature unless stated otherwise.

## Drawings



Dimensions in inches, tolerances ±0.020 except as noted





# HVA SERIES

## Specification Definitions

	Specifications	Conditions
<b>V<sub>RRM</sub></b>	Maximum Repetitive Reverse Voltage	-
<b>V<sub>F</sub></b>	Maximum Forward Voltage Drop	At I <sub>FAVM</sub>
<b>I<sub>FAVM</sub></b>	Maximum Average Forward Current	At T <sub>A</sub> = 55°C
<b>I<sub>R</sub></b>	Maximum Leakage Current	At V <sub>RRM</sub>
<b>I<sub>FSM</sub></b>	Maximum Surge Current	At 8.3 mS, Single Half Sine
<b>V<sub>Z</sub></b>	Typical Reverse Avalanche Voltage	At I <sub>Z</sub> = 10μA
<b>E<sub>RSM</sub></b>	Typical Avalanche Energy Withstand	At 140°C Ambient

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