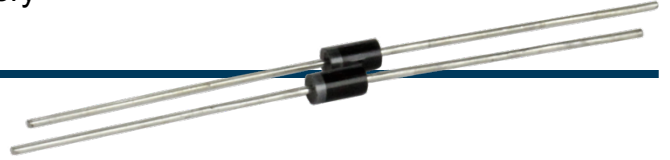




HVA SERIES

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

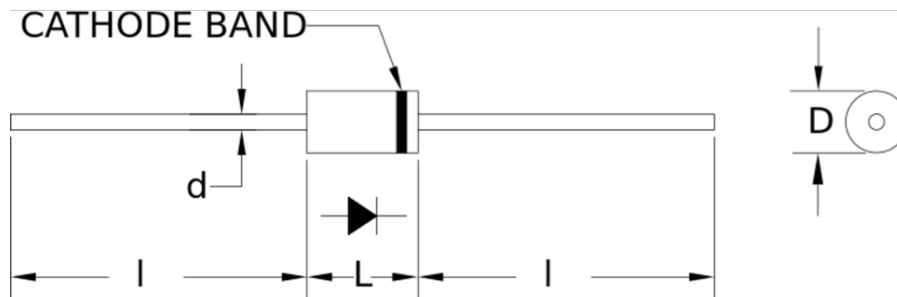
Specifications¹

Part Number	V _{RRM} V	V _F V	I _{FAVM} mA	I _R μA	I _{FSM} A	V _Z V	E _{RSM} 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

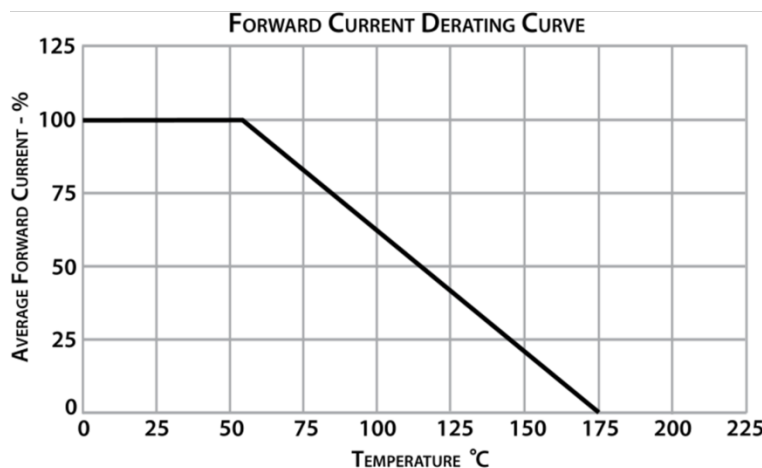
Temperature °C	
Storage Temperature	-55 to 175
Operating Temperature	-55 to 175
Maximum Junction Temperature	175

¹125°C ambient temperature unless stated otherwise.

Drawings



Dimensions in inches, tolerances ±0.020 except as noted





Specification Definitions

	Specifications	Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
V_F	Maximum Forward Voltage Drop	At I _{FAVM}
I_{FAVM}	Maximum Average Forward Current	At T _A = 55°C
I_R	Maximum Leakage Current	At V _{RRM}
I_{FSM}	Maximum Surge Current	At 8.3 mS, Single Half Sine
V_Z	Typical Reverse Avalanche Voltage	At I _Z = 10μA
E_{RSM}	Typical Avalanche Energy Withstand	At 140°C Ambient

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

