



# HV550 SERIES

8 to 45kV, 200 to 550mA, Standard Recovery  
Axial Lead Power Diodes



## Features

- 0.87" x 0.3" Package
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

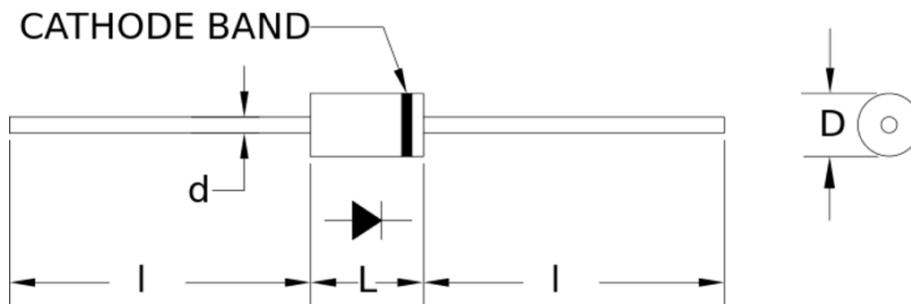
## Specifications<sup>1</sup>

Part Number	V <sub>RRM</sub> V	I <sub>FAVM</sub> mA	V <sub>F</sub> V	I <sub>R</sub> μA	I <sub>FSM</sub> A	L in.	D in.	d in.	l in.
HV550S08	8000	550	8	5	30	0.87	0.30	0.05	0.94
HV550S10	10000	450	9	5	30	0.87	0.30	0.05	0.94
HV550S12	12000	400	12	5	30	0.87	0.30	0.05	0.94
HV550S15	15000	350	14	5	30	0.87	0.30	0.05	0.94
HV550S20	20000	250	17	5	30	0.87	0.30	0.05	0.94
HV550S25	25000	200	21	5	30	0.87	0.30	0.05	0.94
HV550S30	30000	200	25	5	30	0.87	0.30	0.05	0.94
HV550S45	45000	100	40	5	30	0.87	0.30	0.05	0.94

Temperature °C	
Operating Temperature	-55 to 125
Storage Temperature	-55 to 175
Maximum Junction Temperature	125

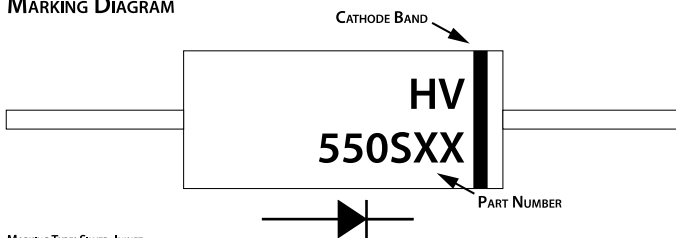
<sup>1</sup>125°C ambient temperature unless stated otherwise.

## Drawings

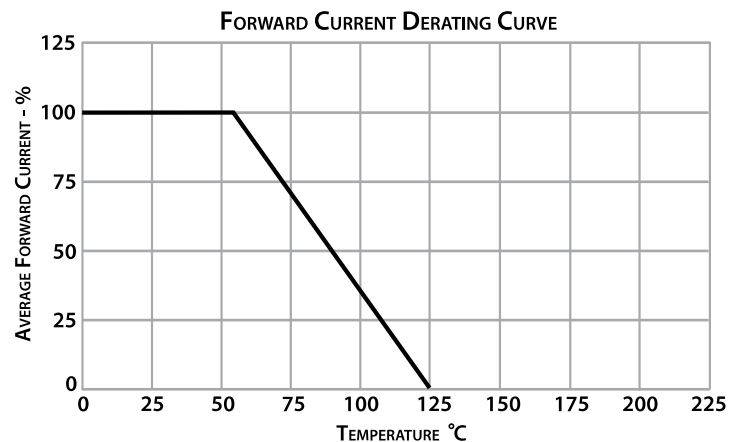


Dimensions in inches, tolerances ±0.020 except as noted

## MARKING DIAGRAM



MARKING TYPE: SILVER, INKJET  
(MARKINGS WILL WRAP ENTIRE BODY OF DIODE AND ARE SUBJECT TO MINOR CHANGES)





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## Specification Definitions

Specifications		Conditions
$V_{RRM}$	Maximum Repetitive Reverse Voltage	-
$I_{FAVM}$	Maximum Average Forward Current	At $T_A = 55^\circ\text{C}$
$V_F$	Maximum Forward Voltage Drop	At $I_{FAVM}$
$I_R$	Maximum Leakage Current	At $V_{RRM}$
$I_{FSM}$	Maximum Surge Current	At 8.3mS, Single Half Sine

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