



# HVRL SERIES

15 to 40kV, 55 to 75mA, 100nS  
Axial Lead Low Current Diodes



## Features

- Miniature Package
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

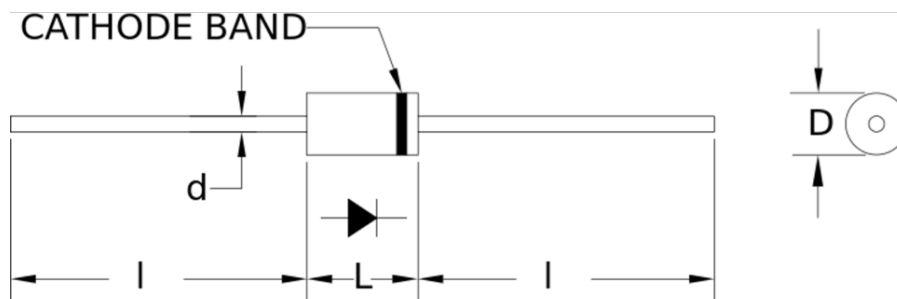
## Specifications<sup>1</sup>

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	C <sub>J</sub> pF	T <sub>RR</sub> nS	L in.	D in.	d in.	I in.
HVRL150	15000	75	23	1	3	0.5	100	0.60	0.17	0.032	0.95
HVRL200	20000	70	30	1	3	1.0	100	0.60	0.17	0.032	0.95
HVRL250	25000	65	34	1	3	0.9	100	0.60	0.17	0.032	0.95
HVRL300	30000	60	41	1	3	0.8	100	0.60	0.17	0.032	0.95
HVRL400	40000	55	54	1	3	0.6	100	0.60	0.17	0.032	0.95

Temperature °C	
Storage Temperature	-55 to 175
Operating Temperature (HVRL150, HVRL200, HVRL250)	-55 to 150
Operating Temperature (HVRL300, HVRL400)	-55 to 125
Maximum Junction Temperature (HVRL150, HVRL200, HVRL250)	150
Maximum Junction Temperature (HVRL300, HVRL400)	125

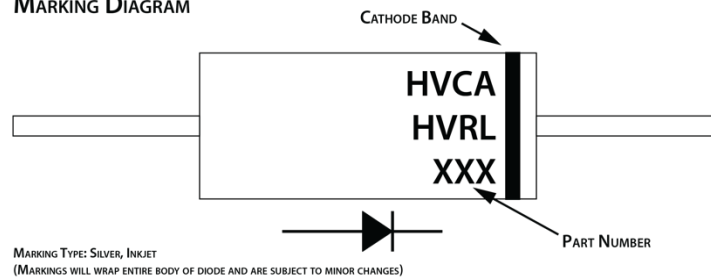
<sup>1</sup>25°C ambient temperature unless stated otherwise.

## Drawings



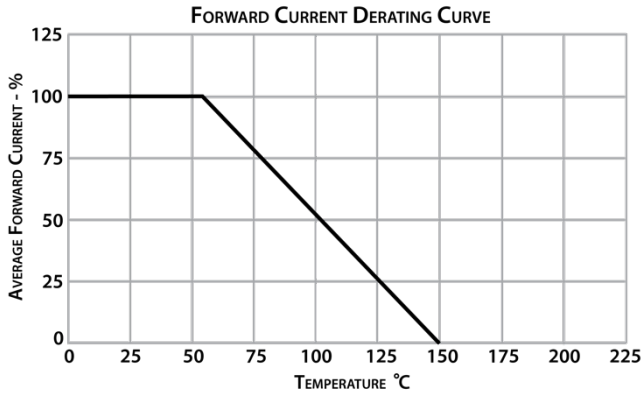
Dimensions in inches, tolerances ±0.020 except as noted

### MARKING DIAGRAM

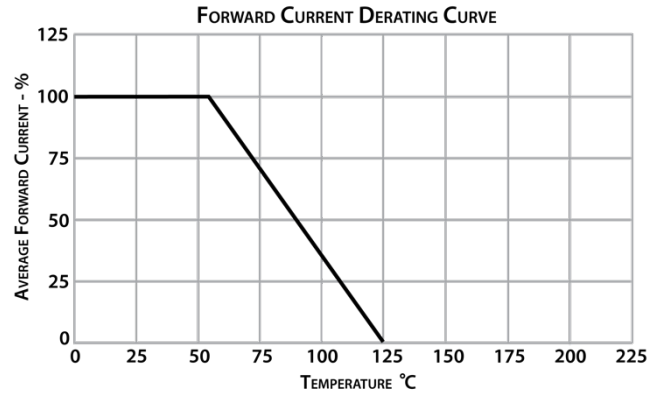




*HVRL150, HVRL200, HVRL250*



*HVRL300, HVRL400*



## Specification Definitions

Specifications		Conditions
<b>V<sub>RRM</sub></b>	Maximum Repetitive Reverse Voltage	-
<b>I<sub>FAVM</sub></b>	Maximum Average Forward Current	At T <sub>A</sub> = 55°C
<b>V<sub>F</sub></b>	Maximum Forward Voltage Drop	At I <sub>FAVM</sub>
<b>I<sub>R</sub></b>	Maximum Leakage Current	At V <sub>RRM</sub>
<b>I<sub>FSM</sub></b>	Maximum Surge Current	At 8.3mS, Single Half Sine
<b>C<sub>J</sub></b>	Typical Junction Capacitance	At V <sub>R</sub> = 0VDC, f = 1MHz
<b>T<sub>RR</sub></b>	Maximum Reverse Recovery Time	I <sub>F</sub> = 0.5 I <sub>FAVM</sub> ; I <sub>R</sub> = -I <sub>FAVM</sub> ; I <sub>RR</sub> = -0.25 I <sub>FAVM</sub>

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

