



HVRT SERIES

8 to 30kV, 40 to 60mA, 100nS
Axial Lead Low Current Diodes



Features

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

Specifications¹

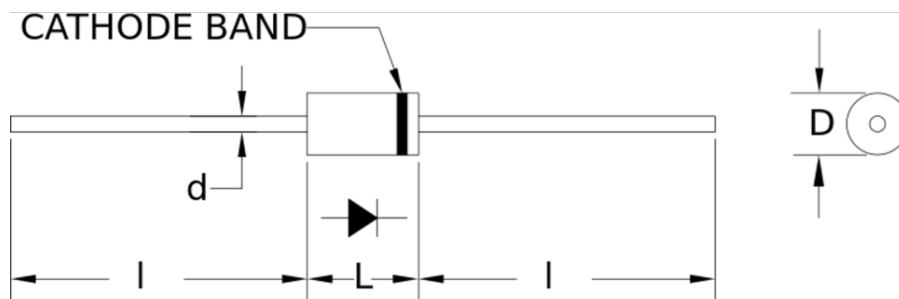
Part Number	V _{RRM} V	I _{FAVM} mA	V _F V	I _R μA	I _{FSM} A	C _J pF	T _{RR} ² nS	L in.	D in.	d in.	I in.
HVRT080	8000	60	20	1	0.5	0.8	100	0.320	0.120	0.025	1.000
HVRT100	10000	50	23	1	0.5	0.7	100	0.400	0.120	0.025	1.000
HVRT120	12000	40	25	1	0.5	0.6	100	0.400	0.120	0.025	1.000
HVRT150	15000	40	35	1	3.0	0.5	100	0.470	0.120	0.025	1.000
HVRT200	20000	55	35	1	3.0	1.0	100	0.470	0.120	0.025	1.000
HVRT250	25000	55	35	1	3.0	0.9	100	0.470	0.120	0.025	1.000
HVRT300	30000	55	48	1	3.0	0.8	100	0.470	0.120	0.025	1.000

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

¹125°C ambient temperature unless stated otherwise.

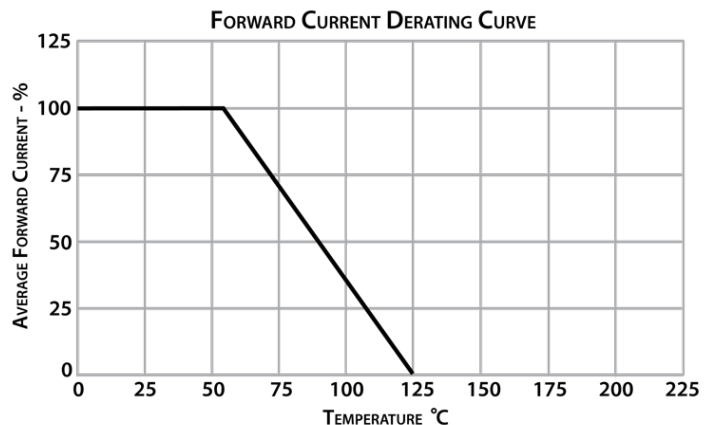
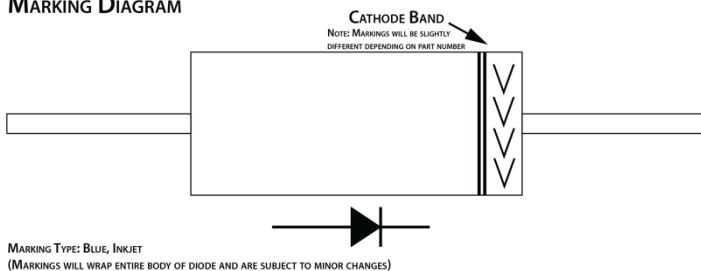
²Check Specifications Definitions for conditions details.

Drawings



Dimensions in inches, tolerances ±0.020 except as noted

MARKING DIAGRAM





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
C_J	Typical Junction Capacitance	At $V_R = 0\text{VDC}$, $f = 1\text{MHz}$
T_{RR}	Maximum Reverse Recovery Time	$I_F = 20\text{mA}$; $I_R = -40\text{mA}$; $I_{RR} = -10\text{mA}$ (HVRT080, HVRT100, HVRT120, HVRT150) $I_F = 40\text{mA}$; $I_R = -80\text{mA}$; $I_{RR} = -20\text{mA}$ (HVRT200, HVRT250, HVRT300)

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

