



UFHV SERIES

2 to 4kV, 350 to 500mA, 75nS
Axial Lead Power Diodes



Features

- Miniature Package
- Glass Passivated Junctions

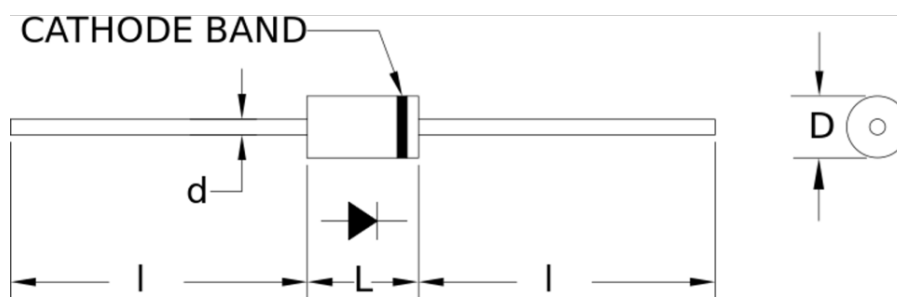
Specifications¹

Part Number	V _{RRM} V	I _{FAVM} mA	V _F V	I _R μA	I _{FSM} A	C _J pF	T _{RR} nS	L in.	D in.	d in.	l in.
UFHV2K	2000	550	3.0	5	30	12	75	0.200	0.100	0.034	1.000
UFHV3K	3000	400	4.1	5	30	8	75	0.200	0.100	0.034	1.000
UFHV4K	4000	350	5.5	5	30	6	75	0.200	0.100	0.034	1.000

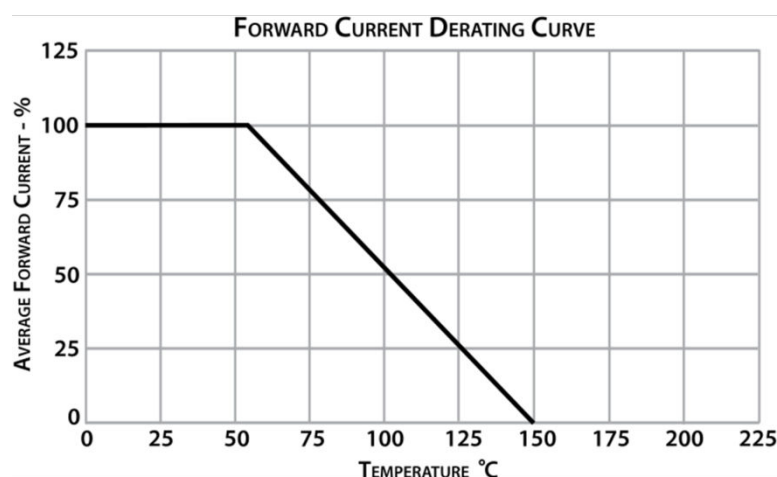
Temperature °C	
Storage Temperature	-55 to 175
Operating Temperature	-55 to 150
Maximum Junction Temperature	150

¹25°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	-
I_{FAVM}	Maximum Average Forward Current	At T _A = 55°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 = 0VDC, f = 1MHz
T_{RR}	Maximum Reverse Recovery Time	I _F = 0.5 I _{FAVM} ; I _R = -I _{FAVM} ; I _{RR} = -0.25 I _{FAVM}

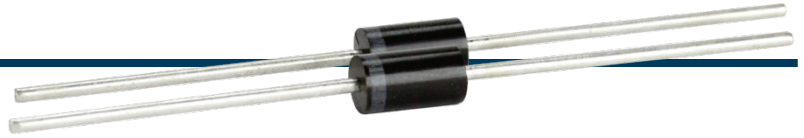
Note: Specifications subject to change without notice. Photo is representation only.





HV200UF SERIES

3 to 5kV, 200mA, 50nS
Axial Lead Power Diodes



Features

- DO-201AD Package
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

Specifications¹

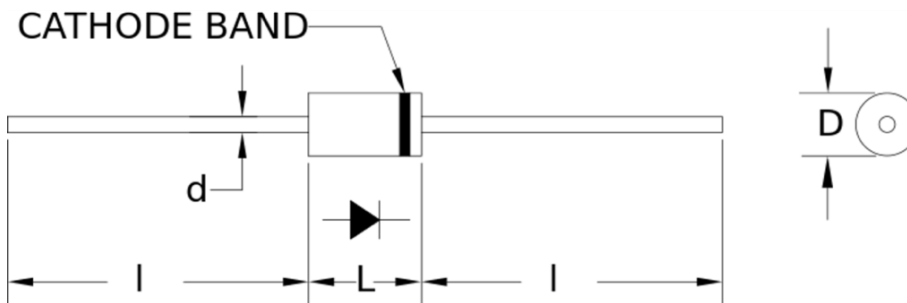
Part Number	V _{RRM} V	I _{FAVM1} ² mA	I _{FAVM2} ² mA	V _F V	I _R μA	I _{FSM} A	C _J pF	T _{RR} nS	L in.	D in.	d in.	l in.
HV200UF3	3000	200	375	15	1	8	12	50	0.354	0.197	0.05	0.94
HV200UF4	4000	200	375	15	1	8	12	50	0.354	0.197	0.05	0.94
HV200UF5	5000	200	375	15	1	8	12	50	0.354	0.197	0.05	0.94

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

¹125°C ambient temperature unless stated otherwise.

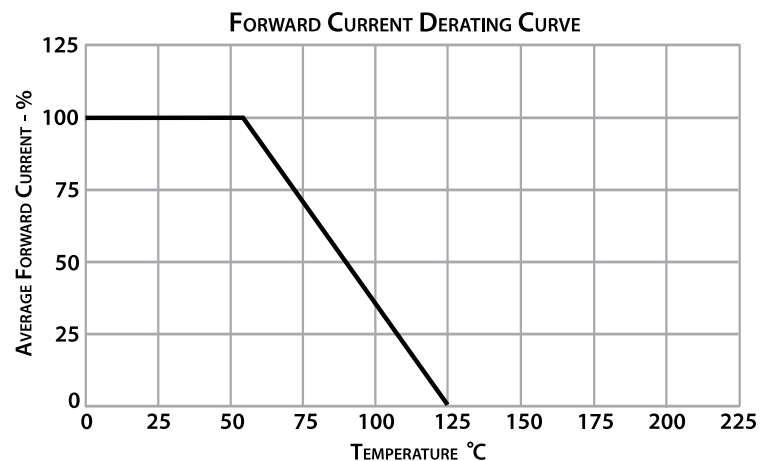
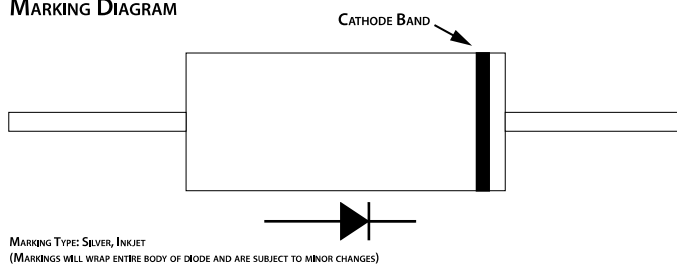
²Check Specification Definitions for conditions details.

Drawings



Dimensions in inches, tolerances ±0.020 except as noted

MARKING DIAGRAM





Specification Definitions

Specifications		Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
I_{FAVM1}	Maximum Average Forward Current	At T _A = 55°C
I_{FAVM2}	Maximum Average Forward Current	At T _A = 55°C, in Oil
V_F	Maximum Forward Voltage Drop	At 100mA
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 = 0VDC, f = 1MHz
T_{RR}	Maximum Reverse Recovery Time	I _F = 0.5 I _{FAVM1} ; I _R = - I _{FAVM1} ; I _{RR} = -0.25 I _{FAVM1}

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

