NV SERIES

2 to 5kV, 20mA, 80nS
Axial Lead Low Current Diodes

Features

- Subminiature Package with Axial Tin-Plated Leads
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

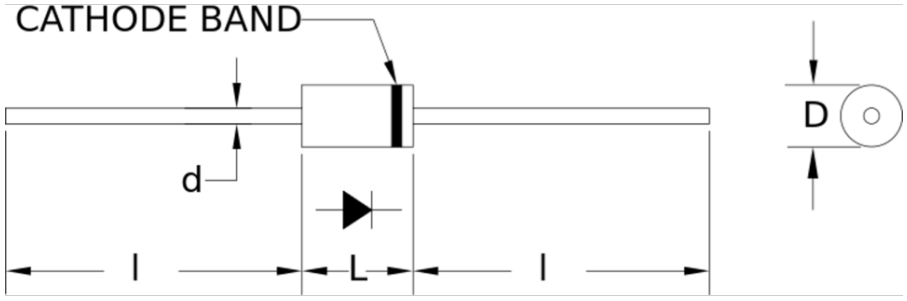
Specifications[1]

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.
NV20FP	2000	20	10	0.02	3	0.85	80	0.12	0.08	0.02	1.00
NV30FP	3000	20	10	0.02	3	0.85	80	0.12	0.08	0.02	1.00
NV40FP	4000	20	10	0.02	3	0.85	80	0.12	0.08	0.02	1.00
NV50FP	5000	20	10	0.02	3	0.85	80	0.12	0.08	0.02	1.00

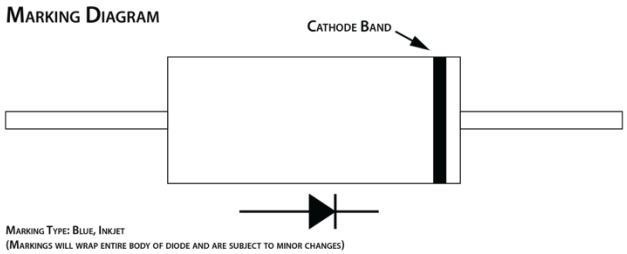
Temperature °C	
Storage Temperature	-55 to 175
Operating Temperature	-55 to 125
Maximum Junction Temperature	125

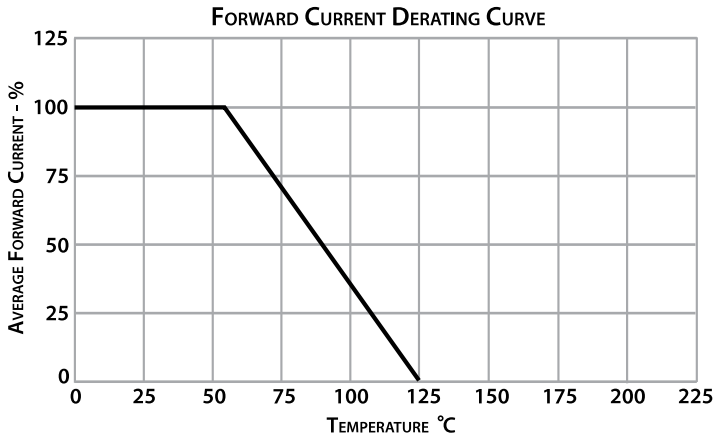
[1]25°C ambient temperature unless stated otherwise.

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 20mA
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.

RoHS COMPLIANT