



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

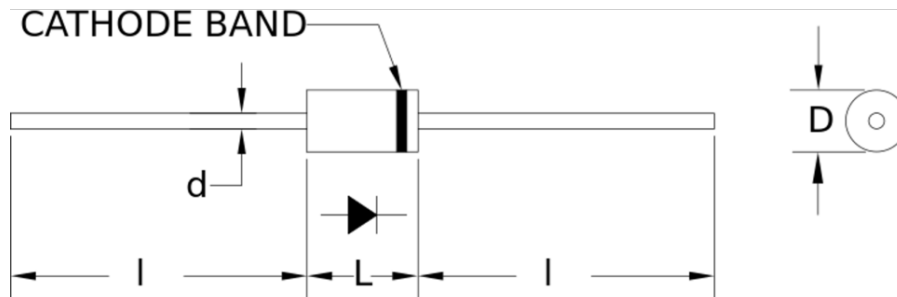
Specifications¹

| 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. |
|-------------|-----------------------|-------------------------|---------------------|----------------------|-----------------------|----------------------|-----------------------|----------|----------|----------|----------|
| 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 |

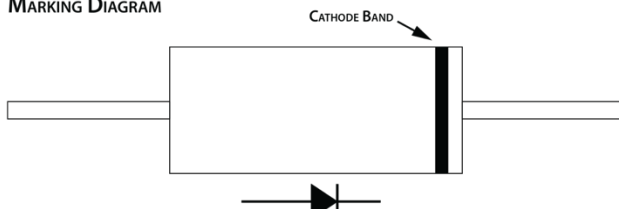
¹125°C ambient temperature unless stated otherwise.

Drawings

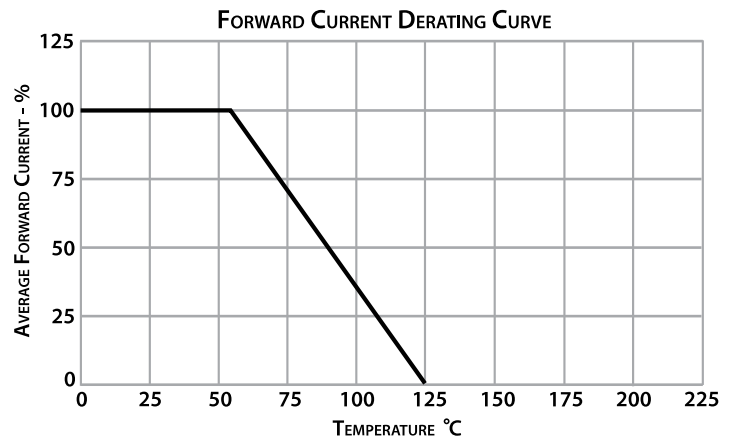


Dimensions in inches, tolerances ±0.020 except as noted

MARKING DIAGRAM



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





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 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 $V_R = 0\text{VDC}$, $f = 1\text{MHz}$ |
| 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.

