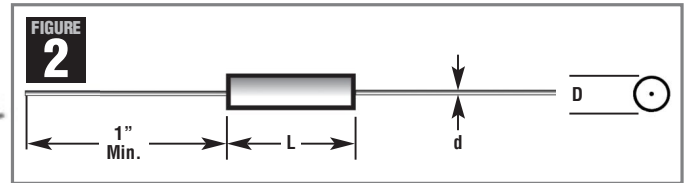




HIGH VOLTAGE LOW CURRENT DIODES - NV, G, HVEF, HL, HVRT AND HVRL SERIES



| Part Number | Repetitive Peak Reverse Voltage V_{RRM} V | Avg. Forward Current Max. $I_{F(AV)}@55^{\circ}C$ mA | Max. Forward Voltage Drop $V_F@I_F$ V | Max. Reverse Current $I_R@V_{RRM}@25^{\circ}C$ μA | Max. Surge Current I_{FSM}^3 A | Junction Capacitance Typ C_J^2 pF | Max. Reverse Recovery Time T_{RR}^1 nS | Body Length L | Body Diameter D | Lead Diameter d |
|---|---|--|---|--|--|---|---|------------------|--------------------|--------------------|
| NV Series - Subminiature High Voltage Diodes T_{RR} 80nS | | | | | | | | | | Figure 2 |
| NV20FP | 2000 | 20 | 10 | 0.02 | 3 | 0.85 | 80 | 0.120 | 0.080 | 0.020 |
| NV30FP | 3000 | 20 | 10 | 0.02 | 3 | 0.85 | 80 | 0.120 | 0.080 | 0.020 |
| NV40FP | 4000 | 20 | 10 | 0.02 | 3 | 0.85 | 80 | 0.120 | 0.080 | 0.020 |
| NV50FP | 5000 | 20 | 10 | 0.02 | 3 | 0.85 | 80 | 0.120 | 0.080 | 0.020 |
| G Series - Subminiature High Voltage Diodes T_{RR} 75nS | | | | | | | | | | Figure 2 |
| G2FSA | 2000 | 25 | 12 | 0.20 | 3 | 0.50 | 75 | 0.195 | 0.080 | 0.020 |
| G3FSA | 3000 | 25 | 12 | 0.20 | 3 | 0.50 | 75 | 0.195 | 0.080 | 0.020 |
| G4FSA | 4000 | 25 | 12 | 0.20 | 3 | 0.50 | 75 | 0.195 | 0.080 | 0.020 |
| G5FSA | 5000 | 25 | 12 | 0.20 | 3 | 0.50 | 75 | 0.195 | 0.080 | 0.020 |
| G Series - Miniature High Voltage Diodes T_{RR} 100nS | | | | | | | | | | Figure 2 |
| G6FS | 6000 | 25 | 18 | 0.20 | 3 | 0.38 | 100 | 0.320 | 0.120 | 0.020 |
| G7FS | 7000 | 25 | 18 | 0.20 | 3 | 0.38 | 100 | 0.320 | 0.120 | 0.020 |
| G8FS | 8000 | 25 | 23 | 0.20 | 3 | 0.65 | 100 | 0.320 | 0.120 | 0.024 |
| G10FS | 10000 | 25 | 23 | 0.20 | 3 | 0.65 | 100 | 0.320 | 0.120 | 0.024 |
| G12FS | 12000 | 25 | 25 | 0.20 | 3 | 0.26 | 100 | 0.400 | 0.120 | 0.024 |
| G15FS | 15000 | 25 | 25 | 0.20 | 3 | 0.26 | 100 | 0.400 | 0.120 | 0.024 |
| G20FS | 20000 | 25 | 35 | 0.20 | 3 | 0.25 | 100 | 0.470 | 0.120 | 0.024 |
| G25FS | 25000 | 25 | 42 | 0.20 | 3 | 0.20 | 100 | 0.470 | 0.120 | 0.024 |
| G30FS | 30000 | 25 | 48 | 0.20 | 3 | 0.26 | 100 | 0.470 | 0.120 | 0.024 |
| DV Series - Subminiature High Voltage Rectifier T_{RR} 75nS | | | | | | | | | | Figure 2 |
| DV6P | 6000 | 90 | 8 | 0.02 | 3 | 1.3 | 75 | 0.195 | 0.080 | 0.020 |
| DV8P | 8000 | 70 | 11 | 0.02 | 3 | 0.9 | 75 | 0.195 | 0.080 | 0.020 |
| DV10P | 10000 | 55 | 16 | 0.04 | 3 | 0.65 | 75 | 0.195 | 0.080 | 0.020 |
| HVEF Series - Miniature High Voltage Diodes T_{RR} 20nS | | | | | | | | | | Figure 2 |
| HVEF8P | 8000 | 25 | 20 | 0.20 | 3 | 0.33 | 20 | 0.260 | 0.100 | 0.021 |
| HVEF10P | 10000 | 20 | 23 | 0.20 | 3 | 0.30 | 20 | 0.400 | 0.100 | 0.021 |
| HVEF12P | 12000 | 20 | 27 | 0.20 | 3 | 0.25 | 20 | 0.400 | 0.100 | 0.021 |
| HVRL Series - Miniature High Voltage Diodes T_{RR} 100nS | | | | | | | | | | Figure 2 |
| HVRL150 | 15000 | 30 | 30 | 1.00 | 3 | 0.5 | 100 | 0.60 | 0.17 | 0.032 |
| HVRL200 | 20000 | 30 | 35 | 1.00 | 3 | 1.0 | 100 | 0.60 | 0.17 | 0.032 |
| HVRL250 | 25000 | 30 | 40 | 1.00 | 3 | 0.9 | 100 | 0.60 | 0.17 | 0.032 |
| HVRL300 | 30000 | 30 | 45 | 1.00 | 3 | 0.8 | 100 | 0.60 | 0.17 | 0.032 |
| HVRL400 | 40000 | 30 | 50 | 1.00 | 3 | 0.6 | 100 | 0.60 | 0.17 | 0.032 |
| HL Series - Miniature High Voltage Diodes T_{RR} 100nS | | | | | | | | | | Figure 2 |
| HL300 | 3000 | 40 | 26 | 1.00 | 3 | 0.3 | 100 | 0.4 | 0.12 | 0.025 |
| HL500 | 5000 | 40 | 26 | 1.00 | 3 | 0.3 | 100 | 0.4 | 0.12 | 0.025 |
| HL800 | 8000 | 40 | 26 | 1.00 | 3 | 0.3 | 100 | 0.4 | 0.12 | 0.025 |
| HL1000 | 10000 | 40 | 26 | 1.00 | 3 | 0.3 | 100 | 0.4 | 0.12 | 0.025 |
| HL1200 | 12000 | 40 | 26 | 1.00 | 3 | 0.3 | 100 | 0.4 | 0.12 | 0.025 |
| HVRT Series - Miniature High Voltage Diodes T_{RR} 100nS | | | | | | | | | | Figure 2 |
| HVRT080 | 8000 | 30 | 20 | 1.00 | 0.5 | 0.8 | 100 | 0.32 | 0.12 | 0.025 |
| HVRT100 | 10000 | 30 | 23 | 1.00 | 0.5 | 0.7 | 100 | 0.4 | 0.12 | 0.025 |
| HVRT120 | 12000 | 30 | 25 | 1.00 | 0.5 | 0.6 | 100 | 0.4 | 0.12 | 0.025 |
| HVRT150 | 15000 | 55 | 35 | 1.00 | 3 | 0.5 | 100 | 0.47 | 0.12 | 0.025 |
| HVRT200 | 20000 | 55 | 35 | 1.00 | 3 | 1.0 | 100 | 0.47 | 0.12 | 0.025 |
| HVRT250 | 25000 | 55 | 35 | 1.00 | 3 | 0.9 | 100 | 0.47 | 0.12 | 0.025 |
| HVRT300 | 30000 | 55 | 48 | 1.00 | 3 | 0.8 | 100 | 0.47 | 0.12 | 0.025 |

Notes:

¹ See page 23, Fig 141 for data related to T_{RR} measurements.

² Diode Junction Capacitance is measured at 1 MHz, $V_R = 0$ and $T_A = 25^{\circ}C$

³ 1/2 Sine(60Hz) @ 25°C

All devices listed are RoHS compliant.

Direct replacements for the discontinued CS4200 and CS4300 series diodes may be found on this page. Contact factory.