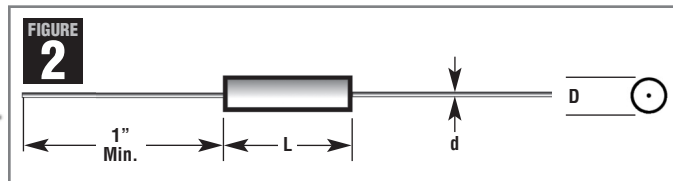




# HIGH VOLTAGE LOW CURRENT DIODES - NV, G, HVEF, HL, HVRT AND HVRL SERIES



Part Number	Repetitive Peak Reverse Voltage $V_{RRM}$ V	Avg. Forward Current Max. $I_{FAVM@55^{\circ}C}$ mA	Max. Forward Voltage Drop $V_F@I_F$ V	Max. Reverse Current $I_R@V_{RRM@25^{\circ}C}$ $\mu A$	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
<b>NV Series - Subminiature High Voltage Diodes <math>T_{RR}</math> 80nS</b>										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
<b>G Series - Subminiature High Voltage Diodes <math>T_{RR}</math> 75nS</b>										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
<b>G Series - Miniature High Voltage Diodes <math>T_{RR}</math> 100nS</b>										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
<b>DV Series - Subminiature High Voltage Rectifier <math>T_{RR}</math> 75nS</b>										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
<b>HVEF Series - Miniature High Voltage Diodes <math>T_{RR}</math> 20nS</b>										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
<b>HVRL Series - Miniature High Voltage Diodes <math>T_{RR}</math> 100nS</b>										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
<b>HL Series - Miniature High Voltage Diodes <math>T_{RR}</math> 100nS</b>										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
<b>HVRT Series - Miniature High Voltage Diodes <math>T_{RR}</math> 100nS</b>										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:

<sup>1</sup> See page 23, Fig 141 for data related to  $T_{RR}$  measurements.

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

<sup>3</sup>  $\frac{1}{2}$  Sine(60Hz) @  $25^{\circ}C$

All devices listed are RoHS compliant.

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