

Example circuit using MGV075-08 model

```
.DC V1 .2 .6 .1
.PRINT DC V(2)
V1 1 0 0
R1 1 2 1000
D1 2 0 MGV
.MODEL MGV D (IS=55.0E-12 N=2.0 CJO=0.838E-12 VJ=0.9 M=0.675 XTI=3.0 EG=1.42
+ TT=3.0E-9 BV=18.0 IBV=10.0E-6 RS=0.3)
.END
```

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Part Number	M min	M max	Cj0 min pF	Cj0 max pF
MGV075-08	0.675	0.825	0.838	1.173
MGV075-09	0.675	0.825	1.173	1.508
MGV075-10	0.675	0.825	1.211	2.412
MGV075-11	0.675	0.825	2.112	2.581
MGV075-12	0.675	0.825	2.413	2.949
MGV075-13	0.675	0.825	3.016	3.687
MGV075-14	0.675	0.825	3.620	4.424
MGV075-15	0.675	0.825	4.525	5.530
MGV075-16	0.675	0.825	5.430	6.636
MGV075-17	0.675	0.825	6.033	7.374

IS=50e-12 to 0.23e-9

N=1.9 to 2.2

TT=2 to 7e-9

BV=18

IBV=10e-6

XTI=3

EG=1.42

VJ=0.8 to 1.2

Notes:

CV curve is valid for V=2 to 18V.

Below 2V the Gamma drops

Part Number	M min	M max	Cj0 min pF	Cj0 max pF
MGV100-08	0.90	1.10	1.505	2.006
MGV100-09	0.90	1.10	2.006	2.508
MGV100-20	0.90	1.10	1.703	4.342
MGV100-21	0.90	1.10	2.189	5.132
MGV100-22	0.90	1.10	2.694	6.316
MGV100-23	0.90	1.10	3.368	7.895
MGV100-24	0.90	1.10	5.417	6.621
MGV100-25	0.90	1.10	6.771	8.276
MGV100-26	0.90	1.10	8.176	9.379
MGV100-27	0.90	1.10	9.028	11.035

IS=50e-12 to 0.23e-9

N=1.9 to 2.2

TT=2 to 7e-9

BV=22

IBV=10e-6

XTI=3

EG=1.42

VJ=0.8 to 1.2

Notes:

CV curve is valid for V=2 to 20V.

Below 2V the Gamma drops

Part Number	M min	M max	Cj0 min pF	Cj0 max pF
MGV125-08	1.125	1.375	1.877	2.627
MGV125-09	1.125	1.375	2.627	3.378
MGV125-20	1.125	1.375	2.342	6.461
MGV125-21	1.125	1.375	3.279	9.046
MGV125-22	1.125	1.375	4.685	12.923
MGV125-23	1.125	1.375	5.621	13.299
MGV125-24	1.125	1.375	7.027	19.384
MGV125-25	1.125	1.375	7.964	21.968
MGV125-26	1.125	1.375	13.511	16.514

IS=50e-12 to 0.23e-9

N=1.9 to 2.2

TT=2 to 7e-9

BV=22

IBV=10e-6

XTI=3

EG=1.42

VJ=0.8 to 1.2

Notes:

CV curve is valid for V=2 to 20V.

Below 2V the Gamma drops