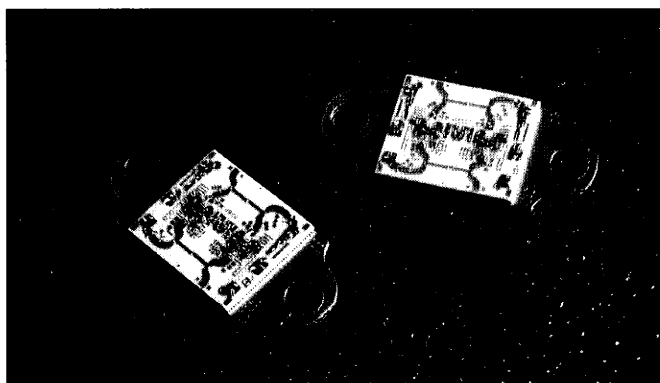


0.5 to 20.0 GHz Microwave Gain Modules

- ❑ **Frequency Coverage:**
 0.5-4 GHz 2-6 GHz 2-8 GHz
 2-18 GHz 6-18 GHz 2-20 GHz
- ❑ **MIC & MMIC Gain Modules on Kovar Carriers**
- ❑ **Small Carrier Sizes:**
 0.560 in. x 0.246 in.
 0.680 in. x 0.328 in.
- ❑ **Suitable for Military and Commercial Applications**



Microwave Gain Modules with Guaranteed Specifications at +25°C

Model	Frequency Response (GHz)	Gain (dB)	Gain Flatness vs Frequency (±dB)	Gain Temperature Coefficient Per 1°C (1) (dB)	Noise Figure (dB)	Power Output for 1dB Compression (+dBm)	Input DC current (mA)	Carrier Type (2)
	Min	Min	Max	Typ	Max	Min	Typ	
CGM-04-0001	0.5-4.0	11.0	0.5	-0.007	4.5	16.0	100	1006
CGM-04-0002	0.5-4.0	11.5	0.6	-0.007	2.5	15.0	90	1006
CGM-04-0003	0.5-4.0	22.0	0.5	-0.014	4.5	16.0	200	1006
CGM-04-0004	0.5-4.0	22.0	0.6	-0.014	2.8	15.0	180	1006
CGM-04-0005	0.5-4.0	33.0	0.5	-0.021	4.5	16.0	300	1006
CGM-04-0006	0.5-4.0	33.0	0.6	-0.021	2.8	15.0	270	1006
CGM-04-2001	2-4	13.0	0.5	-0.011	1.8	10.0	60	1006
CGM-06-2001	2-6	11.5	0.5	-0.011	5.5	19.0	80	1006-P (-N)
CGM-06-2002	2-6	12.0	5 dB Slope(5)	-0.011	2.5	14.0	80	1006-P
CGM-06-2003	2-6	12.5	0.5	-0.011	4.5	16.0	70	1006-P (-N)
CGM-08-2001	2-8	8.0	0.5	-0.011	7.5	24.0	320	1006-P (-N)
CGM-08-2002	2-8	9.5	0.5	-0.011	6.5	22.0	200	1006-P (-N)
CGM-08-2003	2-8	10.0	0.5	-0.011	6.0	19.0	80	1006-P (-N)
CGM-08-2004	2-8	10.5	0.5	-0.011	5.0	16.0	70	1006-P (-N)
CGM-08-2005	2-8	12.0	5 dB Slope(5)	-0.011	2.5	14.0	80	1006-P
CGM-08-4001	4-8	12.0	0.5	-0.011	1.8	10.0	60	1006
CGM-10-8001(6)	8-10	12.0	0.25	-0.011	1.9	10.0	60	1248-P (-N)
CGM-18-2001	2-18	7.5	1.0	-0.011	5.0	11.0	60	1248
CGM-18-2002	2-18	9.0	0.8	-0.022	11.0	18.0	330	1248
CGM-18-2003	2-18	10.0	0.8	-0.022	9.5	15.0	220	1248
CGM-18-2004	2-18	15.0	0.75	-0.022	9.0	12.0	120	1248
CGM-18-2005	2-18	15.0	1.0	-0.022	5.0	11.0	120	1248
CGM-18-2006	2-18	15.0	1.0	-0.022	8.0	11.0	120	1248
CGM-18-6001	6-18	4.0	0.8	-0.011	N/A	28.0	640	1248-P (-N)
CGM-18-6002	6-18	5.0	0.6	-0.011	9.5	25.0	320	1248-P (-N)
CGM-18-6003	6-18	5.5	0.6	-0.011	8.0	22.0	200	1248-P (-N)
CGM-18-6004	6-18	5.5	0.5	-0.011	6.5	18.0	80	1248-P (-N)
CGM-18-6005	6-18	6.0	0.5	-0.011	5.8	16.0	70	1248-P (-N)
CGM-18-6006	6-18	7.0	0.5	-0.011	5.0	14.0	70	1248-P (-N)
CGM-18-6007	6-18	7.0	3 dB Slope(5)	-0.011	3.2	14.0	80	1248-P (-N)
CGM-18-6008(3)	6-18	10.0	1.0	-0.015	7.0	14.0	100	1248-P (-N)
CGM-20-2001(4)	2-20	8.0	1.0	-0.012	8.0	22.0	250	1248
CGM-20-2002(4)	2-20	6.0	1.0	-0.012	6.0	16.0	100	1248
CGM-20-2003(4)	2-20	12.0	1.5	-0.024	7.0	15.0	100	1248
CGM-20-2004(4)	2-20	14.0	1.5	-0.024	7.5	20.0	350	1248

NOTES:

- Gain will increase with decreasing temperature and decrease with increasing temperature.
- Some circuits are supplied with a positive (-P) or negative (-N) configuration. See package Outlines. When ordering, include a -P or

-N on the end of the Model Number.

3. Dual gate GaAs FET.

4. MMIC chip on MIC circuit.

5. Negative slope from low to high frequency.

6. Specification over any 500 MHz bandwidth.

CELERITEK