

FEATURES

- Coverage From 0.5 to 18 GHz
- 10-20dB Of Gain Control 0-5VDC
- Small Signal Gain of 18-45dB
- Compact Thin-Film Construction
- High Frequency Stability&High Reliability
- Operating temperature:-55~+85°C



APPLICATIONS

- Test Instrumentation
- Communication System
- Radar&Warfare system

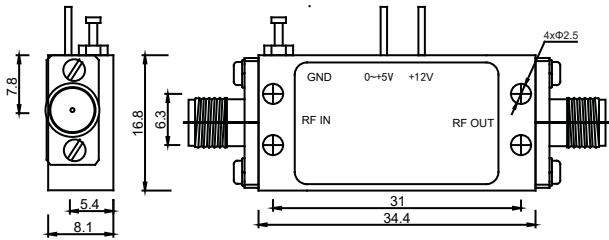
SPECIFICATIONS@25°C:

Part Number	Frequency Range (GHz)	Gain(dB) Min	Gain Control Range(dB) Max	Gain Flatness (±dB) Max	N.F (dB.Max)	P1dB (dBm.Min)	VSWR Max	Current@ 12-15 VDC (mA. Typ)	Case Type
MGC0201G60	0.1-2	60-70	0-60	2.5	6	10	2:1	400	TBD
MGC0502C10	0.5-2	25	0+10	1	2.5/3.5	15/12	2:1	200	BH3
MGC0502G10	0.5-2	25	0-10	0.75	2.5	12	2:1	200	BH2/BH3
MGC0502G20	0.5-2	40	0-20	1.5	2.5	12	2:1	200	BH2/BH3
MGC0102G20	1-2	20	0-20	0.5(Typ)	4	10	2:1	200	BH2
MGC0101G10	1.25-1.45	20	0-10	/	1.2	10	2:1	400	BH3
MGC0202G60	2.1-2.3	60	0-60	1(Typ)	2	0-10	/	400	BH6
MGC0204G10	2-4	25	0-10	0.75	2	12	2:1	200	BH3
MGC0204G20	2-4	40	0-20	1.5	2	12	2:1	200	BH4
MGC0206G10	2-6	25	0-10	1	3	12	2:1	200	BH2/BH3
MGC0206G20	2-6	40	0-20	2	3	12	2:1	200	BH2/BH3
MGC0208G10	2-8	25	0-10	2	3.5	12	2:1	200	BH2/BH3
MGC0208G20	2-8	40	0-20	3	3.5	12	2:1	200	BH2/BH3
MGC0408G10	4-8	25	0-10	1	3	12	2:1	200	BH2/BH3
MGC0408G20	4-8	40	0-20	1.75	3	12	2:1	200	BH2/BH3
MGC0412G10	4-12	25	0-10	1.5	4	12	2:1	200	BH2/BH3
MGC0412G20	4-12	40	0-20	2	4	12	2:1	200	BH2/BH3
MGC0515G10	5-15	25	0-10	1.5	4.5	12	2:1	200	BH2/BH3
MGC0515G20	5-15	40	0-20	2	4.5	12	2:1	200	BH2/BH3
MGC0618G10	6-18	25	0-10	1.5	5	12	2:1	200	BH4
MGC0618G20	6-18	40	0-20	2	5	12	2:1	200	BH4
MGC0812G10	8-12	25	0-10	1.5	4	12	2:1	200	BH2/BH3
MGC0812G20	8-12	40	0-20	2	4	12	2:1	200	BH2/BH3

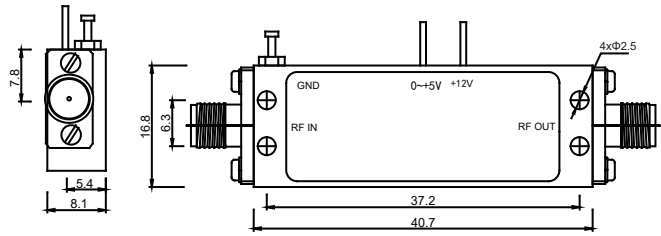


GAIN CONTROL AMPLIFIER

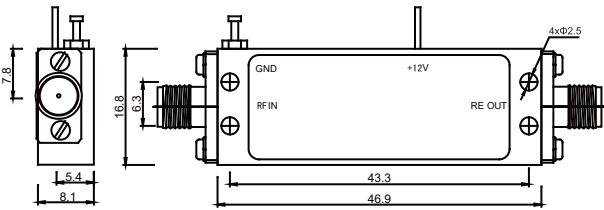
Part Number	Frequency Range (GHz)	Gain(dB) Min	Gain Control Range(dB) Max	Gain Flatness (\pm dB) Max	N.F (dB.Max)	P1dB (dBm.Min)	VSWR Max	Current@ 12-15 VDC (mA. Typ)	Case Type
MGC0818G10	8-18	25	0-10	1.5	4.5	12	2:1	200	BH2/BH3
MGC0818G20	8-18	40	0-20	2	4.5	12	2:1	200	BH2/BH3
MGC1218G10	12-18	25	0-10	1.5	5	12	2:1	200	BH2/BH3
MGC1218G20	12-18	40	0-20	2	5	12	2:1	200	BH2/BH3



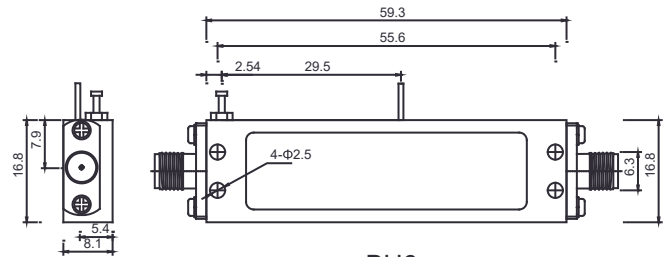
BH2



BH3



BH4



BH6