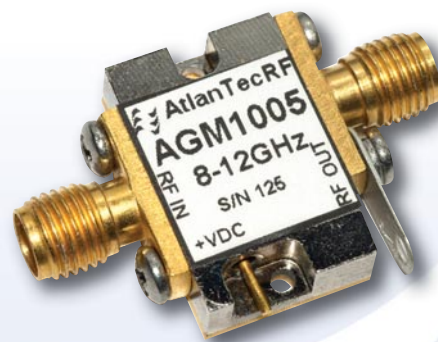


## Miniature Amplifiers - Drop In

- 1.8 - 26.0 GHz
- Miniature Size
- Cascadable
- Removable Connectors
- High Reliability
- Open / Short Protected
- Internal Voltage Regulator
- Reverse Voltage Protected
- Unconditionally Stable
- 2 Year Warranty



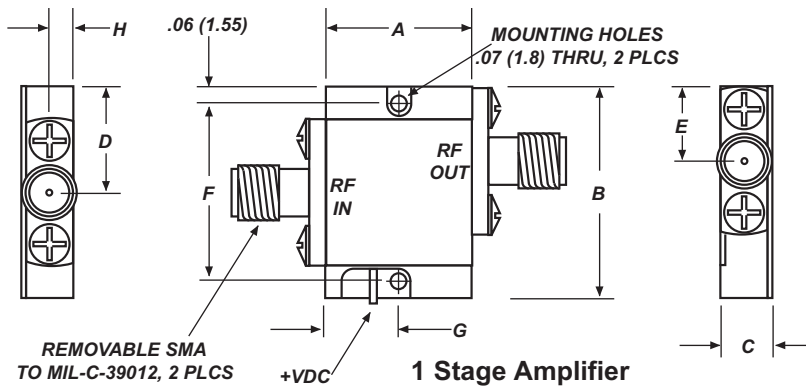
The AGM series of miniature amplifiers utilise thin film and MMIC technology to provide very versatile and reliable gain modules for microwave applications in communications, radar and defence equipment. Each amplifier can be used either as a modular unit with the SMA female connectors fitted or inserted directly into a microwave assembly with the connectors removed. In addition to the standard models listed, custom units can be offered to meet the requirements of specific applications.

Specification Temperature +25C, Operating temperature -55+85C Baseplate.

Custom frequency ranges, specifications and configurations are also available.

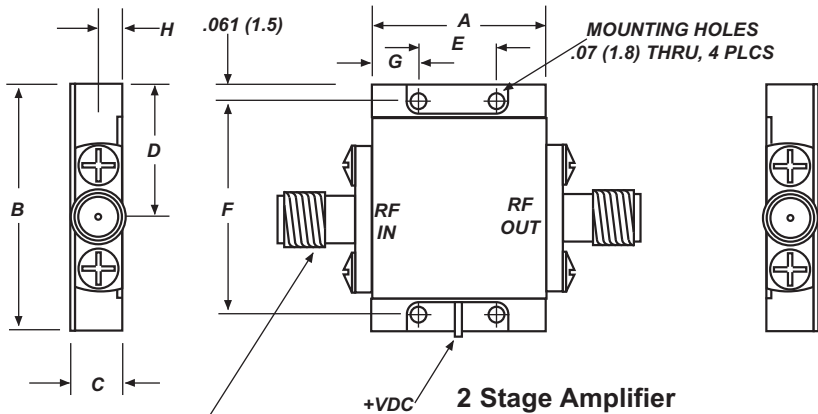
Model No	Frequency Range (GHz)	Gain (dB) min.	Gain Flatness (±dB) max.	Output at 1dB GCP (dBm) min.	Noise Figure (dB) max.	VSWR		Input Voltage (Vdc)	Input Current (mA)	Fig
						Input max.	Output typ.			
AGM-1001	1.8-2.4	9.0	0.75	15.0	5.0	2.0:1	1.8:1	9-15	65	S-1
AGM-1002	2.0-6.0	15.0	0.75	16	3.5	2.0:1	1.8:1	9-15	65	S-1
AGM-1003	4.0-8.0	7.0	0.75	27	7.0	2.0:1	1.8:1	12-15	230	C-1
AGM-1004	4.0-8.0	12.0	0.75	20	3.5	2.0:1	1.8:1	9-15	80	C-1
AGM-1005	8.0-12.0	10.0	0.75	20	5.0	2.0:1	1.8:1	9-15	80	X-1
AGM-1006	8.0-12.0	10.0	0.75	12	2.5	2.0:1	1.8:1	9-15	100	X-1
AGM-1007	9.0-10.0	9.0	0.75	10	2.5	2.0:1	1.5:1	9-15	60	X-1
AGM-1008	12.0-18.0	8.5	0.75	20	5.0	2.0:1	1.8:1	9-15	80	X-1
AGM-1009	13.75-14.50	9.0	0.50	20	5.0	2.0:1	1.5:1	9-15	80	X-1
AGM-1010	18.0-26.0	4.5	0.75	10	5.0	2.0:1	1.8:1	9-15	80	X-1
AGM-2001	2.0-4.0	22.0	1.00	9	2.7	2.0:1	1.8:1	9-15	100	S-2
AGM-2002	3.7-4.2	14.0	1.00	30	8.0	2.0:1	1.8:1	12-15	900	S-2
AGM-2003	4.4-5.0	14.0	1.00	30	8.0	2.0:1	1.8:1	12-15	900	C-2
AGM-2004	5.3-5.9	14.0	1.00	30	8.0	2.0:1	1.8:1	12-15	900	C-2
AGM-2005	5.9-6.4	14.0	1.00	30	8.0	2.0:1	1.8:1	12-15	900	C-2
AGM-2006	5.9-6.4	27.0	0.75	20	5.0	2.0:1	1.5:1	9-15	160	C-2
AGM-2007	6.4-7.2	14.0	1.00	30	8.0	2.0:1	1.8:1	12-15	900	C-2
AGM-2008	7.1-7.7	14.0	1.00	30	8.0	2.0:1	1.8:1	12-15	900	C-2
AGM-2009	7.25-7.75	25.0	1.00	10	4.5	2.0:1	1.5:1	9-15	150	C-2
AGM-2010	7.0-11.0	15.0	1.00	10	6.0	2.0:1	1.8:1	9-15	180	X-2
AGM-2011	8.0-12.0	16.0	1.00	17	4.5	2.0:1	1.8:1	9-15	240	X-2
AGM-2012	8.0-12.0	24.0	1.00	20	5.0	2.0:1	1.8:1	9-15	160	X-2
AGM-2013	12.0-18.0	18.0	1.00	20	6.0	>2.0:1	1.8:1	9-15	180	X-2
AGM-2014	13.75-14.5	18.0	0.75	20	5.0	2.0:1	1.5:1	9-15	160	X-2
AGM-3001	2.0-4.0	40.0	1.50	20	3.0	2.0:1	1.8:1	9-15	400	S-3
AGM-3002	2.0-4.0	48.0	1.50	19	3.0	2.0:1	1.8:1	9-15	220	S-3
AGM-3003	4.0-8.0	32.0	1.50	20	4.0	2.0:1	1.8:1	9-15	325	C-3
AGM-3004	4.0-8.0	45.0	1.50	19	4.0	2.0:1	1.8:1	9-15	220	C-3
AGM-3005	5.9-6.4	40.0	1.00	20	5.0	2.0:1	1.5:1	9-15	250	C-3
AGM-3006	8.0-10.0	33.0	1.50	10	4.0	2.0:1	1.8:1	9-15	160	X-3
AGM-3007	8.0-12.0	35.0	1.50	20	5.0	2.0:1	1.8:1	9-15	250	X-3
AGM-3008	10.5-15.0	20.0	1.50	20	5.0	2.0:1	1.8:1	9-15	225	X-3
AGM-3009	12.7-13.2	20.0	1.00	13	2.7	2.0:1	1.5:1	9-15	200	X-3
AGM-3010	12.4-18.0	24.0	1.50	17	4.5	2.0:1	1.8:1	9-15	220	X-3
AGM-3011	13.75-14.5	20.0	1.00	20	5.0	2.0:1	1.5:1	9-15	225	X-3
AGM-3012	13.75-14.5	27.0	1.00	18	5.0	1.5:1	1.4:1	9-15	175	X-3

### Active Components



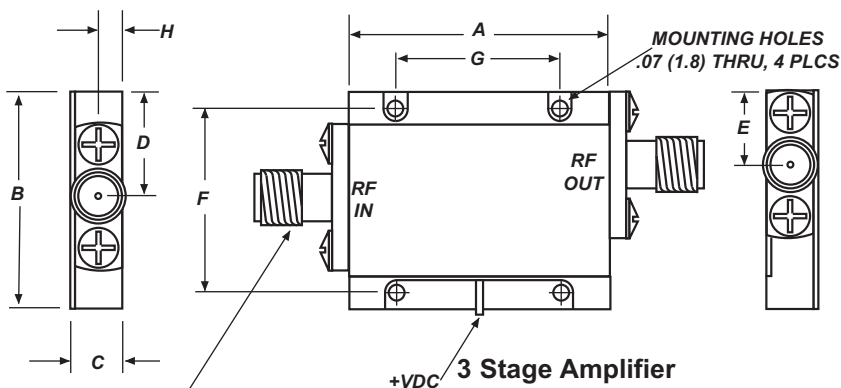
**1 Stage Amplifier**

	A	B	C	D	E	F	G	H
S-1	.57(14.5)	.99(25.1)	.22(5.6)	.63(16.0)	.27(6.9)	.86(21.8)	.29(7.4)	.10(2.5)
C-1	.57(14.5)	.96(24.4)	.22(5.6)	.52(13.2)	.31(7.9)	.83(21.1)	.29(7.4)	.10(2.5)
X-1	.50(12.7)	.78(19.8)	.22(5.6)	.38(9.7)	.27(6.9)	.65(16.5)	.25(6.4)	.10(2.5)



**2 Stage Amplifier**

	A	B	C	D	E	F	G	H
S-2	.906(24.4)	.990(25.1)	.22(5.6)	.630(16.0)	.334(8.5)	.868(22.0)	.286(7.3)	.10(2.5)
C-2	.906(24.4)	.956(24.3)	.22(5.6)	.524(13.3)	.334(8.5)	.834(21.2)	.234(6.0)	.10(2.5)
X-2	.760(19.3)	.766(19.5)	.22(5.6)	.381(9.7)	.260(6.6)	.654(16.6)	.250(6.4)	.10(2.5)



**3 Stage Amplifier**

	A	B	C	D	E	F	G	H
S-3	1.239(31.5)	.990(25.1)	.22(5.6)	.630(16.0)	.270(6.9)	.868(21.9)	.667(16.9)	.10(2.5)
C-3	1.239(31.5)	.960(24.4)	.22(5.6)	.524(13.3)	.312(25.4)	.834(21.2)	.667(16.9)	.10(2.5)
X-3	1.02(25.9)	.776(19.7)	.22(5.6)	.381(9.7)	.275(7.0)	.654(16.6)	.520(13.2)	.10(2.5)

All dimensions are in inches (mm).

We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.

**Active Components**