Standard, Military, and Hi-Rel Connectorized Amplifiers

MicroWave Technology

Model Number WideBand Amplifier Type	Freq Range GHz	Linear Gain dB MIN/TYP	Gain Flatness ±dB MAX	Noise Figure dB MAX/TYP	Pout-1dB dBm MIN/TYP	Current @12 V mA MAX *	Case Code
AW052202N	0.5-2	30/33	1.4	2.5/2.2	15/17	300	SL-2
AW052203	0.5-2	23/26	1.0	3.0/2.5	17/19	260	SL-2
AW054201N	0.5-4	19/26	1.0	2.5/2.2	15/17	220	SL-2
AW054203	0.5-4	21/24	1.0	4.5/4.0	16/18	260	SL-2
AW12201N	1-2	28/31	1.1	2.5/2.2	18/20	225	SL-2
AW12203	1-2	27/30	1.1	3.5/3.0	27/28	555	SL-2
AW26201N	2-6	21/23	1.0	2.5/2.2	13/15	155	SL-2
AW26204	2-6	19/21	1.0	4.5/4.0	23/24	335	SL-2
AW28201N	2-8	29/32	1.5	3.0/2.5	13/15	175	SL-2
AW28302	2-8	31/33	1.5	5.5/5.0	23/24	615	SL-3
AW612301N	6-12	30/32	1.0	3.5/3.0	16/17	240	SH-3
AW612304	6-12	22/23	1.0	6.5/6.0	27/28	750	SH-4
AW1218301N	12-18	24/26	0.8	3.5/3.0	14/15	230	SH-3
AW1218504	12-18	29/31	1.3	7.5/7.0	27/28	1200	SH-6
AW818301N	8-18	24/26	1.0	3.5/3.0	14/15	230	SH-3
AW818504	8-18	29/32	1.5	7.5/7.0	27/28	1300	SH-6
AW618301N	6-18	24/26	1.3	3.5/3.0	14/15	230	SH-3
AW618302	6-18	19/21	1.3	6.0/5.5	20/21	350	SH-3
AW618404	6-18	20/22	1.5	7.5/7.0	27/28	1200	SH-5
AW218201N	2-18	25/28	1.8	5.0/4.5	6/7	135	SH-2
AW218301N	2-18	24/26	2.0	6.5/6.0	15/16	365	SH-3
AW218301	2-18	20/22	2.0	6.0/5.5	20/21	500	SH-3
Model Number Temp Comp Amplifier Type	**Freq Range GHz**	**Linear Gain dB MIN/TYP**	**Gain Flatness ±dB MAX**	**Noise Figure dB MAX/TYP**	**Gain vs Temp ±dB MAX**	**Current @12 V mA MAX ***	**Case Code**
AT26301	2-6	21/23	1.0	6.0/5.5	0.8	300	SL-3
AT26401	2-6	36/40	1.5	5.5/5.0	1.0	470	SL-4
AT618401	6-18	22/24	1.0	7.5/7.0	0.8	380	SH-4
AT618501	6-18	31/33	1.3	7.0/6.5	0.8	500	SH-5
Model Number Limiting Amplifier Type	**Freq Range GHz**	**Pin Dynamic dBm MIN/MAX**	**Noise Power dBm MAX**	**Pout-sat dBm MIN/MAX**	**Pout Flatness ±dB MAX**	**Current @12 V mA MAX ***	**Case Code**
AL26501	2-6	-50/10	7.0	+15/+20	1.0	500	SL-5
AL618801	6-18	-50/10	10.0	+15/+20	2.0	800	LH-44
Model Number Low Noise Amplifier Type	**Freq Range GHz**	**Linear Gain dB MIN**	**Gain Flatness ±dB MAX**	**Noise Figure dB MAX/TYP**	**Pout-1dB dBm MIN/TYP**	**Current @12 V mA MAX ***	**Case Code**
AN12201N	1.2-1.8	28/31	0.5	1.7	15/17	180	CL-1
AN23201N	2.2-2.9	28/31	0.5	1.7	15/17	180	CL-1
AN45201N	4.4-5.0	25/27	0.5	1.7	15/17	180	CL-1
AN78201N	7.2-7.8	23/25	0.5	1.8	14/16	150	CH-1
AN910201N	9.0-10.0	21/23	0.5	1.8	14/16	150	CH-1
AN1415301N	14.5-15.3	24/27	0.5	2.1	13/15	200	CH-3
AN1718401N	17.7-18.7	29/32	1.0	2.8	12/14	250	CH-3
Model Number Med Power Amplifier Type	**Freq Range GHz**	**Linear Gain dB MIN**	**Gain Flatness ±dB MAX**	**VSWR In/Out MAX**	**Pout-1dB dBm MIN/TYP**	**Current @12 V mA MAX ***	**Case Code**
AP45401	4.4-5.0	35.0	0.6	1.5/1.5	30.0/30.5	1400	CL-3
AP67402	5.9-6.4	33.0	0.6	1.5/1.5	33.0/33.5	2700	CL-3
AP78401	7.2-8.4	33.0	0.8	1.5/1.5	30.0/30.5	1450	CH-3
AP910401	9.0-10.0	32.0	0.8	1.5/1.5	30.0/30.5	1450	CH-3
AP1011401	10.7-11.7	27.0	0.8	1.5/1.5	30.0/30.5	1550	CH-3
AP1415401	14.0-14.5	23.0	0.5	1.5/1.5	29.0/30.0	1700	CH-3
AP1718501	17.7-18.7	24.0	1.0	1.8/1.8	26.0/27.0	1250	CH-5
Model Number Telecom Power Amplifier Type	**Freq Range GHz**	**Linear Gain dB MIN**	**Gain Flatness ±dB MAX**	**IMD3 (dBc) @ Po dBm/Tone**	**Pout-1dB dBm MIN/TYP**	**Current @12 V mA MAX ***	**Case Code**
AP1819701	18.1-18.6	30	0.5	-50@+15	27	2300	PH-01
AP1819801	18.1-18.6	35	0.5	-54@+15	29	2700	PH-01

Contact factory for application assistance on custom and standard amplifiers. Hi-Rel and Space-Rel screening are available.

*** Built in voltage regulator.**