

Low Noise Amplifiers (Narrow Band)

KMIC TECHNOLOGY offers a wide range of low noise amplifiers for terrestrial wireless and satellite communications applications.

Model Number	Frequency Range (GHz)	Gain (dB min)	Gain Flatness (±dB max)	Noise Figure (dB max)	VSWR max in/out	Power @1dB (dBm min)	Intercept Point (dBm typ)	DC Power (Volts)	DC Power (mA)	Length x Width x Height (in)
1.7 - 2.4 GHz										
1719A7	1.7-1.9	40	0.5	1.3	1.7/1.5	+18	+28	+12	160	1.94 x 1.1 x 0.55
1921A5	1.9-2.1	40	0.5	1.3	1.7/1.5	+18	+28	+12	160	1.94 x 1.1 x 0.55
2123A3	2.1-2.3	40	0.5	1.3	1.7/1.5	+18	+28	+12	160	1.94 x 1.1 x 0.55
2224A28	2.2-2.4	40	0.5	1.3	1.7/1.5	+18	+28	+12	160	1.94 x 1.1 x 0.55
1724A5	1.7-2.4	36	1.0	2.0	1.7/1.5	+15	+25	+12	150	1.94 x 1.1 x 0.55
3.7 - 6.4 GHz										
3742A43	3.7-4.2	40	0.5	1.3	1.7/1.5	+15	+25	+12	180	1.85 x 1.1 x 0.55
4450A16	4.4-5.0	40	0.5	2.0	1.7/1.5	+15	+25	+12	180	1.85 x 1.1 x 0.55
5964A38	5.9-6.4	40	0.5	2.0	1.7/1.5	+15	+25	+12	180	1.85 x 1.1 x 0.55
6.4 - 8.5 GHz										
6471A11	6.4-7.1	40	0.5	2.2	1.7/1.5	+15	+25	+12	190	1.85 x 1.1 x 0.55
7177A7	7.1-7.7	40	0.5	2.2	1.7/1.5	+15	+25	+12	190	1.85 x 1.1 x 0.55
7785A7	7.7-8.5	40	0.5	2.2	1.7/1.5	+15	+25	+12	190	1.85 x 1.1 x 0.55
10.0 - 13.2 GHz										
103107A3	10.3-10.7	40	0.5	2.3	1.7/1.5	+15	+25	+12	200	2.06 x 1 x 0.55
107117A15	10.7-11.7	40	0.5	2.3	1.7/1.5	+15	+25	+12	220	2.06 x 1 x 0.55
127132A26	12.7-13.2	40	0.5	2.5	1.7/1.5	+15	+25	+12	220	2.06 x 1 x 0.55
14.0 - 15.5 GHz										
140145A81	14-14.5	35	0.5	2.3	1.7/1.5	+15	+25	+12	220	2.06 x 1 x 0.55
145153A7	14.5-15.3	35	0.5	2.5	2.0/1.5	+15	+25	+12	240	2.06 x 1 x 0.55
17.7 - 40.0 GHz										
177197A16	17.7-19.7	20	0.5	4.0	2.0/1.5	+13	+23	+12	240	1.4 x 1 x 0.55
177197A17	17.7-19.7	35	1.0	4.0	2.0/1.5	+13	+23	+12	260	2.06 x 1 x 0.55
212236A7	21.2-23.6	30	1.0	4.5	1.5/1.5	+10	+20	+12	250	2.06 x 1 x 0.55
250275A6	25.0-27.5	30	1.0	5.0	1.5/1.5	+10	+20	+12	270	2.06 x 1 x 0.55
275300A2	27.5-30.0	30	1.0	6.0	1.5/1.5	+9	+19	+12	280	2.25 x 1.1 x 0.55
360380A1	36.0-38.0	25	1.0	7.0	1.5/1.5	+8	+18	+12	240	2.25 x 1.1 x 0.55
380400A1	38.0-40.0	25	1.0	7.5	1.5/1.5	+8	+18	+12	250	2.25 x 1.1 x 0.55

Low Noise Amplifiers (Wide Band)

KMIC TECHNOLOGY offers a wide range of low noise amplifiers for military and simulation equipment applications.

Model Number	Frequency Range (GHz)	Gain (dB min)	Gain Flatness (\pm dB max)	Noise Figure (dB max)	VSWR max in/out	Power @1dB (dBm min)	Intercept Point (dBm typ)	DC Power (Volts)	DC Power (mA)	Outline Configuration
Octave bandwidth										
1020A3	1.0 – 2.0	40	1.0	2.0	2.0/2.0	+15	+25	+12	240	AWL1
1020A4	1.0 – 2.0	30	0.75	3.0	2.0/2.0	+15	+25	+12	200	AWL3
1530A	1.5 – 3.0	40	1.0	2.5	2.0/2.0	+15	+25	+12	240	AWL1
1530A1	1.5 – 3.0	30	1.0	3.0	2.0/2.0	+15	+25	+12	200	AWL3
2040A4	2.0 – 4.0	40	1.0	3.0	2.0/2.0	+15	+25	+12	240	AWL4
2040A9	2.0 – 4.0	30	1.0	3.5	2.0/2.0	+15	+25	+12	200	AWL4
2652A	2.6 – 5.2	40	1.0	3.0	2.0/2.0	+15	+25	+12	240	AWL6
2652A2	2.6 – 5.2	30	1.0	3.5	2.0/2.0	+15	+25	+12	200	AWL6
4080A3	4.0 – 8.0	40	1.0	4.0	2.0/2.0	+15	+25	+12	240	AWL7
4080A4	4.0 – 8.0	30	1.0	5.0	2.0/2.0	+15	+25	+12	200	AWL6
60120A	6.0 – 12.0	40	1.3	4.0	2.0/2.0	+15	+25	+12	280	AWL9
60120A1	6.0 – 12.0	30	1.3	6.0	2.0/2.0	+15	+25	+12	240	AWL10
80160A	8.0 – 16.0	40	1.3	4.0	2.0/2.0	+15	+25	+12	340	AWL11
80160A1	8.0 – 16.0	33	1.3	6.0	2.0/2.0	+15	+25	+12	240	AWL9
Octave plus bandwidth										
2060A	2.0 – 6.0	40	1.0	3.5	2.0/2.0	+15	+25	+12	240	AWL7
2060A	2.0 – 6.0	40	1.0	3.5	2.0/2.0	+15	+25	+12	240	AWL7
2060A1	2.0 – 6.0	30	1.0	4.0	2.0/2.0	+15	+25	+12	200	AWL5
2080A	2.0 – 8.0	40	1.3	4.5	2.0/2.0	+15	+25	+12	240	AWL7
2080A1	2.0 – 8.0	30	1.3	6.0	2.0/2.0	+15	+25	+12	200	AWL6
60180A1	6.0 – 18.0	40	1.5	4.0	2.0/2.0	+15	+25	+12	400	AWL11
60180A2	6.0 – 18.0	30	1.5	7.0	2.0/2.0	+15	+25	+12	400	AWL11
80180A	8.0 – 18.0	36	1.5	4.0	2.0/2.0	+15	+25	+12	400	AWL11
80180A1	8.0 – 18.0	30	1.5	6.0	2.0/2.0	+15	+25	+12	360	AWL11
Sub-octave bandwidth										
80120A	8.0 – 12.0	40	1.0	4.0	2.0/2.0	+15	+25	+12	280	AWL9
80120A1	8.0 – 12.0	30	1.0	6.0	2.0/2.0	+15	+25	+12	240	AWL10
120180A	12.0 – 18.0	36	1.3	4.0	2.0/2.0	+15	+25	+12	400	AWL11
180265A	18.0 – 26.5	36	1.5	6.0	2.0/2.0	+15	+25	+12	500	AWL13