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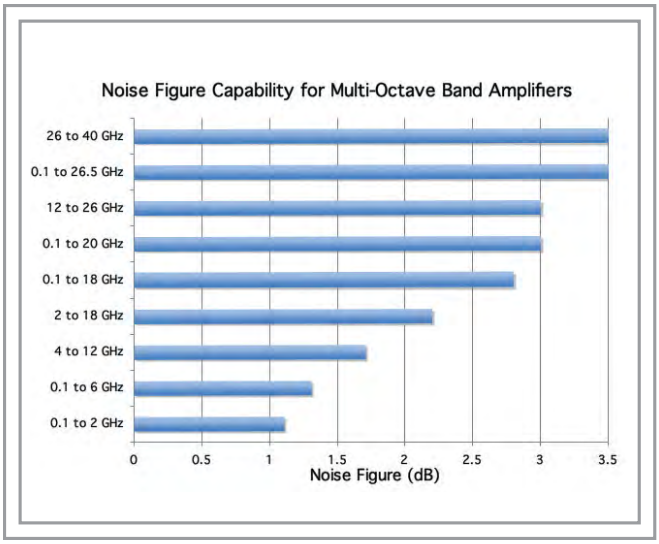
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Multi-Octave

Connectorized Microwave Amplifiers

Multi-octave distributed amplifiers provide the highest gain-bandwidth product, by making use of the additive amplification process inside two reactive transmission lines. All designs involve a careful choice of devices, the number of devices and their location in the circuit. Particular attention is given to integrate all parasitic reactive components of active devices into the transmission lines that support them in order to offset any bandwidth limiting effects. Outstanding performances have been achieved regarding gain flatness, noise figure and output power.

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
0.010 - 6.0 GHz									
JCA006-201	0.01 - 6.0	32	2	5	0	10	2.0:1	310	K3
AML0013L3001	0.01 - 3.0	28	1.5	4.0*	10	20	2.0:1	210	modK4
AML0016L0901	0.01 - 6.0	9	0.5	3.5*	12	24	2.0:1	80	B2
AML0016L1801	0.01 - 6.0	18	1	3.5*	12	24	2.0:1	140	B2
AML0016L2801	0.01 - 6.0	28	1.5	3.5*	12	24	2.0:1	180	B3
AML0016L3801	0.01 - 6.0	38	2	3.5*	12	24	2.0:1	220	B4
JCA001-205	0.01 - 1.0	30	1.5	5	15	25	2.0:1	350	K2
JCA0103-207	0.1 - 3.0	21	1.5	5	20	30	2.0:1	390	K2
AML0012P2001	0.01 - 2.0	21	1	3.2*	23*	36	2.0:1	480	modK4
AML0013P2001	0.01 - 3.0	21	1	3.2*	23**	34	2.0:1	480	modK4
AML0016P1501	0.01 - 6.0	15	1.7	5.5*	23*	30	2.0:1	400	modK3
AML0016P2001	0.01 - 6.0	21	1	3.2*	23*	34	2.0:1	480	modK4
AML0016P0901	0.01 - 6.0	9	1*	7.5*	25*	34	2.0:1	320	C2
0.02 - 0.5 GHz									
BR0502011	0.02 - 0.5	13	0.5	5	22	40	2.0:1	200	C2
0.02 - 2.5 GHz									
AML0022L1201	0.02 - 2.5	11	0.5	2.0*	10	20	2.0:1	60	B2
AML0022L2401	0.02 - 2.5	22	0.5	2.0*	10	20	2.0:1	125	B3
AML0022L3601	0.02 - 2.5	33	0.75	2.0*	10	20	2.0:1	170	B4
AML0022L4801	0.02 - 2.5	44	1	2.0*	10	20	2.0:1	220	B5

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AML0022L2101	0.02 - 2.5	22	0.5	2.0*	13	23	2.0:1	140	B3
AML0022L3401	0.02 - 2.5	33	0.75	2.0*	13	23	2.0:1	190	B4
AML0022L4601	0.02 - 2.5	44	1	2.0*	13	23	2.0:1	240	B5
AML0022P2401	0.02 - 2.5	22	0.5	2.0*	20	30	2.0:1	300	B3
AML0022P3601	0.02 - 2.5	34	0.75	2.0*	20	30	2.0:1	350	B4
AML0022P4601	0.02 - 2.5	46	1	2.0*	20	30	2.0:1	400	B5
0.050 - 8.0 GHz									
AML0056P1501	0.05 - 6.5	15	0.5	4.0*	20	30	2.0:1	330	modK3
AML50M3P0901	0.05 - 3.2	9	0.75	6.5*	24	35	2.0:1	300	C2
AML0058P3801-TC*	0.05 - 8.0	38	1.8	3.5	24	32	2.0:1	650	modK6
*Temperature compensation included. Coefficient of gain variation over temperature -0.015dB/degC									
0.1 - 2.0 GHz									
AML012L1401	0.1 - 2.0	14	0.5	1.2*	13	23	2.0:1	80	modK2
AML012L1501	0.1 - 2.0	14	0.5	1.5*	13	23	2.0:1	80	modK2
AML012L1502	0.1 - 2.0	14-17	0.5	1.5*	13	23	2.0:1	80	modK2
AML012L2201	0.1 - 2.0	20-23	±1.0	2.0*	13	2	2.0:1	200	modK3
AML012L3001	0.1 - 2.0	28	1	1.5*	13	23	2.0:1	150	modK3
AML012L4501	0.1 - 2.0	42	1.5	1.5*	13	23	2.0:1	220	modK4
AML012L3803	0.1 - 2.0	38	±1.0	1.5*	15	25	2.0:1	220	modK4
AML012P1201	0.1 - 2.0	12	0.5	3.0*	20	33	2.0:1	180	C2
JCA0101-207	0.1 - 1.0	21	1.5	5	20	30	2.0:1	390	LCFB1
AML012P2701	0.1 - 2.0	27	1	1.5*	20	33	2.0:1	230	modK3
AML012L3801	0.1 - 2.0	38	1.5	1.5*	20	33	2.0:1	290	modK4
AML012P4201	0.1 - 2.0	42	1.5	1.2*	20	33	2.0:1	300	mod K4
AML012P2301	0.1 - 2.0	23	1	4.2	26	36	2.0:1	430	modK3
AML012P3801	0.1 - 2.0	38	1.5	2.4	26	36	2.0:1	490	modK4
AML012P0901	0.1 - 2.0	9	1	7	30	40	2.0:1	750	OL35
AML012P2202	0.1 - 2.0	22	1.5	4.6	30	40	2.0:1	800	OL37
AML012P3202	0.1 - 2.0	32	2	4	30	40	2.0:1	1050	OL39
0.1 - 6.0 GHz									
AML016L2802	0.1 - 6.0	28	1.25	1.3*	7	15	2.0:1	190	AFS4
AML016L2801	0.1 - 6.0	28	1.25	2.0*	10	18	2.0:1	190	AFS4
AML016L1001	0.1 - 6.0	10	0.5	2.7	12	22	2.0:1	90	modK2
AML016L2001	0.1 - 6.0	20	1	3	12	22	2.0:1	140	modK3
AML016L3001	0.1 - 6.0	30	1.5	2.0*	12	22	2.0:1	190	modK4

† Gain specified as min to max
* Power specified as Psat
**Above 500 MHz
Noise Figure up to 36.5GHz. 5.5dB max @ 40GHz

-Specifications are at +25°C
-Operating temperature range is -20 to +70°C
-Operational range of -54 to +85°C is available

-DC Voltage is +12 to +15 VDC unless stated otherwise
-Specifications are subject to change

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AML016L4001	0.1 - 6.0	40	2	3	12	22	2.0:1	230	modK5
AML016P2001	0.1 - 6.0	20	1	3.0*	20	30	2.0:1	240	modK3
AML016P3001	0.1 - 6.0	30	1.5	3.5	20	30	2.0:1	290	modK4
AML016P4001	0.1 - 6.0	40	2	3.5	20	30	2.0:1	350	modK5
AML016P4202	0.1 - 6.0	42	2.5	4.5*	20	30	2.0:1	375	modK5
AML016P4401	0.1 - 6.0	44	2.5	4.5*	20	30	2.0:1	375	modK5
AML016P1801	0.1 - 6.0	18	1	6	24	34	2.0:1	450	modK3
AML016P2801	0.1 - 6.0	28	1.5	3.5	24	34	2.0:1	500	modK4
AML016P3801	0.1 - 6.0	38	2	3.5	24	34	2.0:1	550	modK5
AML016P2802	0.1 - 6.0	28	2.5	4*	26	38	2.0:1	15V, 600	
0.1 - 8.0 GHz									
AML018L0901	0.1 - 8.0	9	0.5	2*	9	18	2.0:1	70	modK2
AML018L1001	0.1 - 8.0	10	0.5	3.5	12	22	2.0:1	80	modK2
AML018L2001	0.1 - 8.0	18	1	3.8	12	22	2.0:1	140	modK3
AML018L3001	0.1 - 8.0	30	1.5	3*	12	22	2.0:1	200	modK4
AML018L3001-TC	0.1 - 8.0	30	1.5	4	12	22	2.0:1	200	modK5
AML018L4001	0.1 - 8.0	40	2	4	12	22	2.0:1	250	modK5
AML098P2001	0.9 - 8.0	18	1.5	5	20	30	2.0:1	300	modK3
AML018P2001	0.1 - 8.0	20	1.2	3*	20	30	2.0:1	240	modK3
AML018P3001	0.1 - 8.0	30	1.5	3*	20	30	2.0:1	300	modK4
AML018P4001	0.1 - 8.0	40	2	3*	20	30	2.0:1	340	modK5
AML018P1801	0.1 - 8.0	18	1	6	24	34	2.0:1	450	modK3
AML018P2801	0.1 - 8.0	28	1.5	3*	24	34	2.0:1	500	modK4
AML018P3801	0.1 - 8.0	38	1.75	3*	24	34	2.0:1	550	modK5
AML018P3801-TC	0.1 - 8.0	38	1.75	3.5	24	32	2.0:1	550	modK6
0.1 - 15.0 GHz									
JCA007-203	0.01 - 7.0	31	2	5	10	20	2.0:1	330	K3
JCA0010-301	0.01 - 10.0	34	2.5	5	0	10	2.0:1	300	K3
JCA0014-202	0.01 - 14.0	31	2.5	5	5	15	2.0:1	320	K3
AML0112L1801	0.1 - 12.5	18	1	5*	10	20	2.0:1	100	B2
JCA0010-303	0.01 - 10.0	30	2.5	5	10	20	2.0:1	350	K3
AML50M10L3201-TC	0.05 - 10.0	30-36	2	4	12	22	1.8:1	280	B5
AML0212P4501	0.2 - 12.0	45-50	2	5	15	25	2.0:1	520	B5
JCA0014-205	0.01 - 14.0	30	2.5	5	15	25	2.0:1	350	K3
AML0113L1501	0.1 - 13.0	15	1.5	4.5	17	25	2.0:1	175	B2

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AML00110P1801	0.1 - 10.0	18	1.5	4*	20	30	2.0:1	280	modK3
AML0115P2401	0.1 - 15.0	24	2	6*	23	30	2.0:1	500	B3
AML0110P2701	0.1 - 10.0	27	2	6	24	34	2.0:1	400	modK4
0.01 - 18.0 GHz									
AML0118L3402	0.1 - 18.0	35	2	2.8*	5	15	2.2:1	220	B4
AML0118L1201	0.1 - 18.0	12 - 16	1	3.0*	8	18	2.0:1	100	B2
AML0118L3501	0.1 - 18.0	35	1	3.0*	8	18	2.0:1	110	B2
AML0118L2002	0.1 - 18.0	20	1.5	3.0*	10	20	2.0:1	160	B3
AML0118L2501	0.1 - 18.0	25	1.5	3.0*	10	20	2.0:1	150	B3
JCA0018-203	0.01 - 18.0	31	2.5	5	10	20	2.0:1	330	K3
AML0118L3502	0.1 -18.0	35	2.5	3.5*	10	20	2.2:1	220	B4
AML0118L3001	0.1 - 18.0	30	2.5	2.8*	10	20	2.2:1	220	B4
JCA0018-205	0.01 - 18.0	30	2.5	5	15	25	2.0:1	350	K3
AML0118L2001	0.1 - 18.0	20	2.25	7.0*	18	25	2.0:1	340	B4
AML0118P2001	0.1 - 18.0	20	1.75	6	20	27	2.0:1	300	B3
AML0118P3203	0.1 - 18.0	33	2	2.8*	20	27	2.2:1	450	BP6
AML0118P4001	0.1 - 18.0	40	2.25	2.8*	20	27	2.2:1	500	B6
AML0118P3204	0.1 - 18.0	33	2	3.0*	22	30	2.2:1	500	BP6
AML0118P4002	0.1 - 18.0	40	2.25	3.0*	22	30	2.2:1	550	BP6
AML0118P3201	0.1 - 18.0	32	3	3.5*	26*	32*	2.5:1	15, 750	BP6
0.1 - 20.0 GHz									
AML0120L1501	0.1 - 20.0	16	1	3.0*	8	18	2.0:1	110	B2
AML0120L1501-J	0.1 - 20.0	15	1.5	4.5*	10	18	2.2:1	110	B2
AML0120L2401	0.1 - 20.0	24	1.5	3.0*	8	18	2.0:1	150	B3
AML0120L2401-J	0.1 - 20.0	23	2	4.5*	10	20	2.2:1	160	B3
AML0120L3401	0.1 - 20.0	34	2	3.0*	8	18	2.0:1	195	B4
AML0120L3401-J	0.1 - 20.0	32	3	4.5*	10	20	2.2:1	205	B4
AML0120L4401	0.1 - 20.0	42	2.5	3.0*	8	18	2.0:1	230	B5
AML0120L4401-J	0.1 - 20.0	42	3.5	4.5*	10	18	2.2:1	230	B5
AML0120L3403	0.1 - 20.0	32	2	3.5*	15	25	2.0:1	300	B4
AML0120L3403-J	0.1 - 20.0	32	2.5	5.0*	15	25	2.0:1	300	B4
AML0120L3413	0.1 - 20.0	32	2.3	3.0*	15	22	2.0:1	300	B4
AML0120L1601	0.1 - 20.0	16	1.5	3.5*	17	25	2.0:1	220	B2
AML0120L2403	0.1 - 20.0	24	1.5	3.5*	17	27	2.0:1	250	B3
AML0120L2403-J	0.1 - 20.0	24	2.0	5.5*	17	27	2.0:1	250	B3
AML0120P3001	0.1 - 20.0	30	2.5	4.0*	20	28	2.0:1	450	B4

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Noise Figure up to 36.5GHz. 5.5dB max @ 40GHz

-Specifications are at +25°C
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-Operational range of -54 to +85°C is available

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AML0120P3801	0.1 - 20.0	38	2.5	4.0*	20	28	2.0:1	500	B5
AML0120P1401	0.1 - 20.0	14	2	5.0*	19	28	2.0:1	220	B2
AML0120P1402	0.1 - 20.0	14	2	6.0*	22	28	2.0:1	375	B2
AML0120P3202	0.1 - 20.0	32	3	4.5*	24	32	2.5:1	650	002-0954
AML0120P3201	0.1 - 20.0	32	3	3.5*	26	33	2.0:1	750	002-0954
0.05 - 20.25 GHz									
AML50M20L2201	0.05 - 20.25	20-24	2	6.0*	15	26	2.0:1	195	B3
0.1 - 23.0 GHz									
AML0123L0701	0.1 - 23.0	7	0.5	4.0*	8	16	2.0:1	70	M1
AML0123L1401	0.1 - 23.0	14	1	4.0*	8	16	2.0:1	120	B2
AML0123L2101	0.1 - 23.0	21	1.5	4.0*	8	16	2.0:1	170	B3
AML0123L2901	0.1 - 23.0	29	2	4.0*	8	16	2.0:1	220	B4
AML0123L3701	0.1 - 23.0	37	2.5	4.0*	8	16	2.0:1	260	B5
AML0122L0801	0.1 - 22.0	8	2.25	6.5	10	18	2.0:1	110	M1
AML0123L1402	0.1 - 23.0	14	1	4.0*	13	20	2.0:1	140	B2
AML0123L2102	0.1 - 23.0	21	1.5	4.0*	13	20	2.0:1	190	B3
AML0123L2501	0.1 - 23.0	25	1.5	4.0*	13	20	2.0:1	180	B3
AML0123L2902	0.1 - 23.0	29	2	4.0*	13	20	2.0:1	230	B4
AML0123L3702	0.1 - 23.0	37	2.5	4.0*	13	20	2.0:1	270	B5
AML0123L3001	0.1 - 23.0	30	3	4.0*	17	24	2.0:1	300	KA3
AML0123P3001	0.1 - 23.0	30	3	4.0*	19	26	2.0:1	450	KA3
AML0123P3201	0.1 - 23.0	30	3	5.0*	2-18: 26; 18-23: 24;	30	2.0:1	650	KA3
0.1 - 26.5 GHz									
AML0126L2301	0.1 - 26.5	23	2.5	3.7*	8	16	2.2:1	180	B3
AML0126L0701	0.1 - 26.5	7.5	0.75	4*	9	17	2.2:1	70	M1
AML0126L1501	0.1 - 26.5	15	1.5	4*	9	17	2.2:1	120	B2
AML0126L2201	0.1 - 26.5	22	2.25	4*	9	17	2.2:1	170	B3
AML0126L3001	0.1 - 26.5	30	2.5	4*	9	17	2.2:1	220	B4
AML0126L3801	0.1 - 26.5	38	2.75	4*	9	17	2.2:1	260	B5
AML0126P1401	0.1 - 26.5	14	2	6.0*	19	26	2.0:1	220	KA2
AML0126P3001	0.1 - 26.5	30	3.5	5.0*	19	26	2.0:1	400	KA3
AML0126P3002	0.1 - 26.5	30	3	6.0*	2-18: 26; 18-24: 24; 24-26.5: 22	30	2.0:1	600	KA3

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0.1 - 40.0 GHz									
AML0132P2801	0.1 - 32.0	28	3	6.0*	0.1-18GHz: 20dBm; 18-32GHz: 18dBm	26	2.2:1	450	KA3
AML0140P2801	0.1 - 40.0	26	3.5	2-30GHz: 6dB; 30-40GHz: 8dB	2-30GHz: 19dBm; 30-40GHz: 15dBm	2-30: 27; 30-40: 25		450	
0.5 - 2.0 GHz									
ALA0520-45-08	0.5 - 2.0	40	1	3.5	4	N/A	2.0:1	250	STC-3
AML052L3401	0.5 - 2.0	34	1.5	3	10	20	2.0:1	180	C4
AUL0502-10-12	0.5 - 2.0	10	1	1.5	12	23	2.0:1	75	STC-1
ALS0502-12-12	0.5 - 2.0	12	0.75	2.2	12	22	2.0:1	100	STC-2
JCA02-2002	0.5 - 2.0	17	0.8	4	16	24	2.4:1	180	K2
AML052L1401	0.5 - 2.0	14	0.4	1.3	14	24	2.0:1	90	modK2
AML052L2801	0.5 - 2.0	28	0.8	1.4	14	24	2.0:1	155	modK3
AML052L4201	0.5 - 2.0	42	1.25	1.4	14	24	2.0:1	215	modK4
ALS0502-25-15	0.5 - 2.0	25	1.5	1.5	15	25	2.0:1	110	STC-2
AUL0503-30-15	0.5 - 3.0	30	1	1.5	15	25	2.0:1	150	STC-2
AUL0502-30-15	0.5 - 2.0	30	1	1.5	15	27	2.0:1	150	STC-2
ALS0502-42-15	0.5 - 2.0	42	1.5	1.7	15	25	2.0:1	185	STC-3
AML052L2201	0.5 - 2.0	15.5-18.5	1	4.4	18	30	2.0:1	200	modK3
ALS0502-34-18	0.5 - 2.0	34	1	2	18	28	2.0:1	220	STC-2
AML052P1201	0.5 - 2.0	12	0.25	3	20	35	2.0:1	150	C2
AML051P1201	0.5 - 1.5	12	0.25	3	20	34	2.0:1	220	C2
AML052P2601	0.5 - 2.0	26	1	1.5	20	35	2.0:1	215	modK3
JCA02-302	0.5 - 2.0	28	1.5	3	20	30	2.0:1	250	FB2
AML052P4001	0.5 - 2.0	40	1.25	1.5	20	35	2.0:1	280	modK4
AML052P1202	0.5 - 2.0	11-13	0.75	3.5	20	30	2.0:1	150	C2
AML052P2001	0.5 - 2.0	23-27	1	2	20	30	2.0:1	200	modK3
ALS0502-25-20	0.5 - 2.0	25	1.5	1.5	20	28	2.0:1	125	STC-2
ALS0502-42-20	0.5 - 2.0	42	1.5	2.5	20	30	2.0:1	280	STC-3
AML052P2501	0.5 - 2.5	23.5-26.5	1	2	22	30	2.0:1	215	modK3
JCA02-332	0.5 - 2.0	26	2	5	23	33	2.0:1	400	FB2
ALS0502-30-25	0.5 - 2.0	30	2	3	25	35	2.0:1	430	STC-3
AML052P2201	0.5 - 2.0	22	1	3.6	26	36	2.0:1	420	modK3

† Gain specified as min to max
* Power specified as Psat
**Above 500 MHz
Noise Figure up to 36.5GHz. 5.5dB max @ 40GHz

-Specifications are at +25°C
-Operating temperature range is -20 to +70°C
-Operational range of -54 to +85°C is available

-DC Voltage is +12 to +15 VDC unless stated otherwise
-Specifications are subject to change

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AML052P3601	0.5 - 2.0	36	1.25	1.8	26	36	2.0:1	465	modK4
AML052P5001	0.5 - 2.0	50	1.5	1.8	26	36	2.0:1	525	modK5
ALS0502-32-27	0.5 - 2.0	32	1.5	3	27	35	2.0:1	800	SLC-1
AML052P0901	0.5 - 2.0	9	1	7	30	40	2.0:1	750	OL35
AML052P2202	0.5 - 2.0	22	1.25	4.6	30	40	2.0:1	950	OL37
AML052P3201	0.5 - 2.0	32	1.5	4	30	40	2.0:1	1050	OL39
APA0502-40-30	0.5 - 2.0	40	2	3	30	38	2.0:1	580	SLC-2
AML052P4002	0.5 - 2.0	40	1.5	4	30	42	2.0:1	1150	OL40
APA0502-30-33	0.5 - 2.0	30	2	6	33	43	2.0:1	1900	SPC
APA0502-45-33	0.5 - 2.0	45	2	6	33	43	2.0:1	1900	SPC
0.5 - 8.0 GHz									
JCA06-215	0.5 - 6.0	18	1	3.5	10	20	2.0:1	120	K2
JCA04-300	0.5 - 4.0	21	1	3	10	20	2.0:1	150	XK3
JCA08-415	0.5 - 8.0	36	2	3.5	10	20	2.0:1	200	K2
AML056P4002	0.5 - 6.5	40	1	4.5	15	25	1.8:1	300	mod-DK4
AML054L2702	0.5 - 4.0	27	1.5	3.5	17	27	2.0:1	240	modK4
AML054P2001	0.5 - 4.0	20	1	8	21	29	2.0:1	275	modK3
AML058P0901	0.5 - 8.0	9	1	5.4	22	32	2.0:1	200	modK2
AML056P1901	0.5 - 6.5	19	0.6	4.5	24	32	1.8:1	470	modK3
0.5 - 10.0 GHz									
AML0510L0901	0.5 - 10.0	9	1	2.5	5	15	2.2:1	45	M1
AML0510L1001	0.5 - 10.0	9	0.5	5	9	19	2.0:1	70	modK2
AML0510L1601	0.5 - 10.0	16	1	3	8	18	2.0:1	110	B2
AML0510L1801	0.5 - 10.0	18	1	5.4	9	19	2.0:1	120	modK3
AML0510L2401	0.5 - 10.0	24	1.5	3	9	18	2.0:1	150	B3
AML0510L2801	0.5 - 10.0	28	1	5.4	9	19	2.0:1	170	modK4
AML0510L3201	0.5 - 10.0	32	2	3	9	18	2.0:1	195	B4
AML0510L3801	0.5 - 10.0	38	1.25	5.4	9	19	2.0:1	220	modK5
AML0510L1002	0.5 - 10.0	9	0.5	5.2	13	23	2.0:1	90	modK2
AML0510L1802	0.5 - 10.0	18	1	5.4	13	23	2.0:1	140	modK3
AML0510L2402	0.5 - 10.0	24	1.25	3.2	13	21	2.0:1	180	B3
AML0510L2802	0.5 - 10.0	27	1	5.4	13	23	2.0:1	190	modK4
AML0510L3202	0.5 - 10.0	32	2	3.2	13	23	2.0:1	220	B4
AML0510L3802	0.5 - 10.0	36	1.25	5.4	13	23	2.0:1	240	modK5
AML0510L1803	0.5 - 10.0	18	1	5.5	17	27	2.0:1	200	modK3
AML0510L2803	0.5 - 10.0	27	1	4.5	17	27	2.0:1	240	modK4

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AML0510L3203	0.5 - 10.0	32	1.5	3.5	17	27	2.0:1	245	B4
AML0510L3803	0.5 - 10.0	36	1.25	4.5	17	27	2.0:1	290	modK5
AML0510L4203	0.5 - 10.0	42	1.25	4.5	17	25	2.0:1	290	modK6
AML0510P1801	0.5 - 10.0	18	2	6	24	34	2.2:1	450	modK3
AML0510P2801	0.5 - 10.0	27	1	5.8	24	34	2.0:1	500	modK4
AML0510P3801	0.5 - 10.0	36	1.25	5.8	24	34	2.0:1	550	modK5
AML0510P3601	0.5 - 10.0	35	2	3.5	27*	36	2.0:1	750	B5
0.5 - 12.0 GHz									
AWB0512-26-08	0.5 - 12.0	26	2	4.5	8	18	2.0:1	240	STC
AWB0512-34-08	0.5 - 12.0	34	2	4.5	8	18	2.0:1	300	STC
AWB0512-17-15	0.5 - 12.0	17	2	5.5	15	25	2.0:1	170	STC
AWB0512-34-15	0.5 - 12.0	33	2	5	15	25	2.0:1	290	STC
AWB0512-25-20	0.5 - 12.0	25	2	5.5	20	30	2.0:1	320	STC
0.5 - 18.0 GHz									
JCA018-401	0.5 - 18.0	35	3	4	3	13	2.0:1	370	K4
AML0518L0901	0.5 - 18.0	9	1	2.4	5	15	2.2:1	45	M1
AML0418L0902	0.4 - 18.0	9	1	2.5	8	15	2.2:1	55	M1
AML0518L1601-J	0.5 - 18.0	15	1.5	4.5	8	18	2.2:1	110	B2
AML0518L1601-LN	0.5 - 18.0	16	1	2.7	8	18	2.2:1	100	B2
AML0518L1601	0.5 - 18.0	16	1	3	8	18	2.0:1	110	B2
AWB0518-20-08	0.5 - 18.0	20	2	3.5	8	18	2.0:1	150	STC
AML0518L2401-J	0.5 - 18.0	23	2	5	8	18	2.2:1	150	B3
AML0518L2401	0.5 - 18.0	24	1.5	3	8	18	2.0:1	150	B3
AML0518L3401	0.5 - 18.0	32	2	3	8	18	2.0:1	195	B4
AML0518L3401-J	0.5 - 18.0	34	2.5	5	8	18	2.2:1	195	B4
AWB0518-35-08	0.5 - 18.0	35	2	5	8	18	2.0:1	275	STC
AML0518L4501-J	0.5 - 18.0	42	3.25	5	8	18	2.2:1	245	B5
AML0518L4501	0.5 - 18.0	45	2.5	4	8	18	2.0:1	245	B5
AML0518L3401L	0.5 - 18.0	30	1.5	4	10	20	2.0:1	195	B5
AML0518L3601	0.5 - 18.0	36	2	2.8	10	18	2.0:1	250	B4
AML0518L1602-J	0.5 - 18.0	15	1.5	5.5	13	23	2.2:1	130	B2
AML0518L1602	0.5 - 18.0	16	1	3.5	13	23	2.0:1	130	B2
AML0518L2402-J	0.5 - 18.0	23	2	5	13	23	2.2:1	180	B3
AML0518L2402	0.5 - 18.0	24	1.5	3.2	13	23	2.0:1	180	B3
AML0518L3202	0.5 - 18.0	32	2	3.2	13	23	2.0:1	220	B4
AML0518L3202-J	0.5 - 18.0	32	2.5	5	13	23	2.2:1	220	B4

† Gain specified as min to max
* Power specified as Psat
**Above 500 MHz
Noise Figure up to 36.5GHz. 5.5dB max @ 40GHz

-Specifications are at +25°C
-Operating temperature range is -20 to +70°C
-Operational range of -54 to +85°C is available

-DC Voltage is +12 to +15 VDC unless stated otherwise
-Specifications are subject to change

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AML0518L4202	0.5 - 18.0	42	2.5	3.2	13	23	2.0:1	260	B5
AML0518L4202-J	0.5 - 18.0	42	3.25	5	13	23	2.2:1	260	B5
AML0518L1603	0.5 - 18.0	16	1	4	17	27	2.0:1	165	B2
AML0518L1603-J	0.5 - 18.0	16	1.5	5.5	17	27	2.2:1	165	B2
AML0518L2403	0.5 - 18.0	24	1.5	3.5	17	27	2.0:1	205	B3
AML0518L2403-J	0.5 - 18.0	24	2	5.5	17	27	2.2:1	205	B3
AML0518L3203	0.5 - 18.0	32	2	3.5	17	27	2.0:1	245	B4
AML0518L3203-J	0.5 - 18.0	32	2.5	5	17	27	2.2:1	245	B4
AML0518L4203	0.5 - 18.0	42	2.5	3.5	17	27	2.0:1	295	B5
AML0518L4203-J	0.5 - 18.0	42	3	5	17	27	2.2:1	295	B5
AML0518P0801	0.5 - 18.0	8	1	6.5	18	28	2.0:1	150	M1
AML0518P1601	0.5 - 18.0	16	1	5	20	30	2.0:1	180	B2
AML0518P2401	0.5 - 18.0	24	2	4	20	30	2.0:1	230	B3
AML0518P2401-J	0.5 - 18.0	24	2	6	20	30	2.2:1	230	B3
AWB0518-30-20	0.5 - 18.0	30	2	5	20	27	2.2:1	350	STC-3
AML0518P3201	0.5 - 18.0	32	2	3.5	20	30	2.0:1	270	B4
AML0518P3201-J	0.5 - 18.0	32	2.5	5	20	30	2.0:1	270	B4
AML0518P4201	0.5 - 18.0	42	2.5	3.5	20	30	2.0:1	400	B5
AML0518P4201-J	0.5 - 18.0	42	3	5	20	30	2.2:1	400	B5
AML0518P4206	0.5 - 18.0	42	2.5	3	20	28	2.0:1	400	B5
AML0518P2701	0.5 - 18.0	25-29	1.5	4	22	32	2.0:1	420	B3
AML0518P1602	0.5 - 18.0	16	1.5	6	22	32	2.0:1	350	B2
AML0518P2402	0.5 - 18.0	24	1.5	4	22	32	2.0:1	420	B3
AML0518P2402-J	0.5 - 18.0	24	2	6	22	32	2.0:1	320	B3
AML0518P3202	0.5 - 18.0	32	2	3.5	22	30	2.0:1	360	B4
AML0518P3202-J	0.5 - 18.0	32	2.5	5.5	22	30	2.0:1	360	B4
AWB0518-35-22	0.5 - 18.0	35	2	5	22	27	2.2:1	775	STC-4
AML0518P4202	0.5 - 18.0	42	2.5	3.5	22	30	2.0:1	400	B5
AML0518P4202-J	0.5 - 18.0	42	3	5	22	30	2.0:1	400	B5
AML0518P1605	0.5 - 18.0	14-17	1.5	6	22	30	2.0:1	230	B2
AML0518P2407	0.5 - 18.0	24-29	2	4	23	30	2.0:1	350	B3
AML0518P2501	0.5 - 18.0	25	2	4.5	24	32	2.0:1	550	B3
AML0518P3205	0.5 - 18.0	32	2.5	5	24	34	2.0:1	750	B5
AML0518P2703	0.5 - 18.0	27	2.5	5	25	32	2.0:1	550	B3
AML0518P3204	0.5 - 18.0	32	2.5	3.5	25	32	2.0:1	750	B5
AML0518P1606	0.5 - 18.0	16	2	6	0.5-2GHz: 26dBm; 2-12GHz: 27dBm; 12-18GHz: 25dBm	35	2.0:1	450**	B2

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AML0518P1701	0.5 - 18.0	16	2	7.5	0.5-1GHz: 26dBm; 1-12GHz: 27dBm; 14-18GHz: 25dBm	34	2.5:1	600**	B2
0.5 - 20.0 GHz									
AML0520L0801	0.5 - 20.0	8	1	4.5	8	18	2.0:1	100	M1
AML0520L1101	0.5 - 20.0	11	1.25	5	12	20	2.2:1	100	B2
AML0520L1701	0.5 - 20.0	17 - 21	1.5	6	17	25	2.2:1	170	B2
AML0520P3201	0.5 - 20.0	32	3	3.5	24	32	2.0:1	750	B5
1.0 - 8.0 GHz									
AML14L2001	1.0 - 4.0	20	1	3	10	20	2.0:1	100	modK3
JCA13-300	1.5 - 3.0	24	1.5	2.5	10	20	2.0:1	120	LCFB1
JCA14-2001	1.0 - 4.0	30	2	0.9	10	20	2.5:1	200	FB3
JCA14-401	1.0 -4.0	40	2	0.9	10	20	2.0:1	300	SMH1
AML16L2801	1.0 - 6.0	25	1	1.5	10	20	2.2:1	150	SP3
AML16L2201	1.0 - 6.0	22	1.2	2.2	12	22	2.0:1	150	modK3
AML18L3001	1.0 - 8.0	30	2	1.8	13	22	1.8:1	12V, 110	
AML110L3001	1.0 - 10.0	30	3	2.2	12	22	1.8:1	12V, 110	
AML18L4001	1.0 - 8.0	40	2	2	13	23	2.0:1	270	modK5
JCA14-3001	1.0 - 4.0	40	2	0.9	15	25	2.5:1	250	FB3
JCA14-4001	1.0 - 4.0	50	2	0.9	15	25	2.5:1	300	FB3
AML16P1401*	1.5 - 6.0	14	1	5	20	31	2	250	K2
AML13P2601	1.0 - 3.5	26	1	3	25	35	2.0:1	480	modK4
AML14P3501	1.8 - 4.2	35-38	1.25	3	30	38	2.0:1	675	C4
1.0 - 18.0 GHz									
JCA118-200	1.0 - 18.0	23	2.5	4	3	13	2.0:1	165	K2
AML118L3201	1.0 - 18.0	32	2	2.8	8	18	2.0:1	200	B4
AWB0118-35-08	1.0 - 18.0	35	2	5	8	18	2.5:1	235	STC-3
AML118L2501	1.0 - 18.0	25-30	2	2.7	10	20	2.0:1	150	B3
AML118L3401	1.0 - 18.0	34	2	3	10	20	2.0:1	200	B4
AML118L3402	1.0 - 18.0	34	0.5*	3	10	20	2.0:1	200	B4
AML118L3801	1.0 - 18.0	38	2	5	10	20	2.0:1	260	B4
AML118L2202	1.0 - 18.0	20-27	1.5	4.5	10	20	2.0:1	160	B3
AWB0118-30-10	1.0 - 18.0	30	2	4	10	20	2.0:1	200	STC

† Gain specified as min to max
* Power specified as Psat
**Above 500 MHz
Noise Figure up to 36.5GHz. 5.5dB max @ 40GHz
◊ Across any 40 MHz

-Specifications are at +25ºC
-Operating temperature range is -20 to +70ºC
-Operational range of -54 to +85ºC is available

-DC Voltage is +12 to +15 VDC unless stated otherwise
-Specifications are subject to change

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AWB1019-35-10	1.0 - 19.0	35	2.5	5.5	10	20	2.0:1	320	STC
JCA118-503	1.0 - 18.0	41	2.5	5	10	20	2.0:1	450	K2/K3
JCA118-404	1.0 - 18.0	32	2.5	5.5	12	22	2.0:1	495	K2/K2
ALN0118-22-20	1.0 - 18.0	22	1.5	4	20	27	2.0:1	300	STC-3
AML118P2601	1.0 - 18.0	25	1.5	6	20	28	2.0:1	200	B3
AML118P1601	1.0 - 18.0	16	1	5.5	21	28	2.0:1	260	B2
AML118P3201	1.0 - 18.0	32	2	2.8	22	30	2.2:1	450	B4
AML118P2201	1.0 - 18.0	22	1.5	4	22	30	2.0:1	400	B3
AML118P2801	1.0 - 18.0	27-31	2	4	25	34	2.2:1	550	B3
AML118P2703	1.0 - 18.0	27	2	4	27*	34	2.0:1	525**	B3
AML118P3001	1.0 - 18.0	30	2.5	5	27	34	2.2:1	1200**	B5
APA0111-30-30	1.0 - 11.0	30	1.5	5.5	30	38	2.0:1	2400	SLC-2
1.0 - 20.0 GHz									
AML120L0601	1.0 - 20.0	6	1	7	17	27	2.0:1	200	B2
AML120L2402	1.0 - 20.0	25	2	6	10	18	2.0:1	160	B3
AML120L3201	1.0 - 20.0	32	2	3	10	18	2.2:1	210	B4
AML120L3401	1.0 - 20.0	35	2	6	10	18	2.0:1	185	B4
AML119L2202	1.0 - 19.0	20	1.5	4.5	16	25	2.0:1	220	B3
AML120P3101	1.0 - 20.0	30	2.5	4	20	27	2.2:1	500	B4
AML120P2701	1.0 - 20.0	26	2.5	4	24	32	2.2:1	550	B3
AML120P2702	1.5 - 20.0	27	3	5	26	24	2.2:1	1150	B5
AML120P3201	1.0 - 20.0	32	3.5	5	27	32	2.0:1	15V, 1500	BP6
1.0 - 22.0 GHz									
AML122L3501	1.0 - 22.0	35	2	5	13	20	2.0:1	260	B4
AML122L3502	1.0 - 22.0	35	0.5*	5	13	20	2.0:1	260	B4
AML122P3201	1.0 - 22.0	32	2.5	5	26	32	2.0:1	1500**	BP6
2.0 - 8.0 GHz									
ALS0208-14-10	2.0 - 8.0	14	1.5	2.2	8	18	2.0:1	70	STC-1
AML28L1001	2.0 - 8.0	10	0.5	3	10	20	2.0:1	60	modK2
JCA28-201	2.0 - 8.0	18	1	3.5	10	20	2.0:1	120	XK2
AML28L2001	2.0 - 8.0	20	1	3	10	20	2.0:1	110	modK3
JCA28-2001	2.0 - 8.0	22	1	2.5	10	18	2.2:1	160	XK2
AML28L3001	2.0 - 8.0	30	1.5	3	10	20	2.0:1	160	modK4
ALS0208-30-10	2.0 - 8.0	30	2	2	10	20	2.0:1	160	STC-2
ALN0208-30-10	2.0 - 8.0	30	1.5	1.6	10	20	2.0:1	135	STC-2

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AML28L4001	2.0 - 8.0	40	2	3	10	20	2.0:1	210	modK5
AML28L1002	2.0 - 8.0	10	0.5	3.5	13	23	2.0:1	90	modK2
AML28L2002	2.0 - 8.0	20	1	3.5	13	23	2.0:1	140	modK3
AML28L3002	2.0 - 8.0	30	1.5	3.5	13	23	2.0:1	190	modK4
AML28L4002	2.0 - 8.0	40	2	3.5	13	23	2.0:1	240	modK5
AML28L1501	2.0 - 8.0	15	1	1.7	15	25	2.0:1	60	M1
ALT0208-19-15	2.0 - 8.0	19	1.5	4	15	25	2.0:1	260	STC-3
ALS0208-24-15	2.0 - 8.0	24	1.5	2.2	15	25	2.0:1	140	STC-2
AML28L2801L	2.0 - 8.0	24.5-30.5	2	5	15	25	1.8:1	220	modK5
AML28L3005	2.0 - 8.0	30	2	1.8	15	25	2.0:1	120	B2
ALS0208-30-15	2.0 - 8.0	30	2	1.8	15	25	2.0:1	150	STC-2
ALS0208-42-15	2.0 - 8.0	42	1.5	2.2	15	25	2.0:1	250	STC-3
JCA28-404	2.0 - 8.0	31	2	3.5	17	27	2.0:1	360	XK4
JCA28-205	2.0 - 8.0	16	1.5	4	19	29	2.0:1	275	XK2
AML28P2001	2.0 - 8.0	20	1	3.5	20	30	2.0:1	200	modK3
ALS0208-20-20	2.0 - 8.0	20	1.5	3	20	30	2.0:1	200	STC-2
ALS0208-24-20	2.0 - 8.0	24	1.5	2.2	20	25	2.0:1	170	STC-2
AML28P3001	2.0 - 8.0	30	1.5	3.5	20	30	2.0:1	250	modK4
ALS0208-32-20	2.0 - 8.0	32	1.5	2.5	20	30	2.0:1	250	STC-2
AML28P4001	2.0 - 8.0	40	2	3.5	20	30	2.0:1	300	modK5
AML28P4002	2.0 - 8.0	40	1.5	2.8	20	30	2.0:1	250	modK5
ALS0208-42-20	2.0 - 8.0	42	1.5	2.2	20	30	2.0:1	350	STC-3
ALS0208-50-20	2.0 - 8.0	50	1.5	2.5	20	30	2.0:1	300	STC-4
AML28P1801	2.0 - 8.0	18	1	5	24	34	2.0:1	450	modK3
AML28P2801	2.0 - 8.0	28	1.5	3.8	24	34	2.0:1	500	modK4
AML28P3801	2.0 - 8.0	38	2	3.8	24	34	2.0:1	550	modK5
ALS0208-25-25	2.0 - 8.0	25	1.5	3	25	33	2.0:1	350	STC-3
AML28P1201	2.0 - 8.0	12	1	6	27	35	2.0:1	650	L3
AML28P2201	2.0 - 8.0	22	1.5	5	27	35	2.0:1	500	L3
ALS0208-32-27	2.0 - 8.0	32	1.5	3	27	37	2.0:1	700	SLC-2
AML28P3203	2.0 - 8.0	32	2	4.8	27	35	2.0:1	560	B3
AML28P1001	2.0 - 8.0	10	1	7	30	38	2.2:1	1050	L4
AML28P1802	2.0 - 8.0	18	1.5	6	30*	38	2.0:1	1350	L4
APA0208-20-30	2.0 - 8.0	20	2	6	30	40	2.0:1	800	SLC-2
AML28P2202	2.0 - 8.0	22	2	6	30	38	2.0:1	1350	L4
APA0208-30-30	2.0 - 8.0	30	2	5.5	30	40	2.0:1	1300	SLC

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Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AML28P3201	2.0 - 8.0	32 - 37	2	5.5	30	38	1.8:1	1300	SC6
APA0208-35-30	2.0 - 8.0	35	2	5.5	30	40	2.0:1	1300	SLC
AML28P3001-2W	2.0 - 8.0	30	2	5.5	33*	38	2.0:1	2000	SCP7
APA0208-30-33	2.0 - 8.0	30	2	6	33	43	2.0:1	1900	SPC
APA0208-35-33	2.0 - 8.0	35	2	6	33	43	2.0:1	1900	SPC
AML28P3802	2.0 - 8.0	38	2.5	6.5	33	40	2.0:1	2400	002-0814
2.0 - 15.0 GHz									
AML215L2501	2.0 - 15.0	25	1.5	2.7	10	20	2.0:1	150	B3
JCA212-501	2.0 - 12.0	31	2	5	10	20	2.0:1	165	K4
AML313L4001	3.0 - 13.0	40-45	1.5	3	10	20	2.0:1	230	B5
AML310L1001	3.0 - 10.0	10	1.5	6	12	22	2.0:1	80	M1
AML210L2401	2.0 - 10.5	22-26	1.5	4.5	17	27	2.0:1	200	B3
AML214L1801	2.0 - 14.0	18-22	1.5	4	18	28	2.0:1	200	B2
AML213P2001	2.0 - 13.0	20	1.5	4	23	32	2.0:1	450	B2
AML212P2201	2.0 - 12.0	20.5-23.5	1	5.2	24	32	2.0:1	375	B3
2.0 - 18.0 GHz									
AML218L0901	2.0 - 18.0	9	1	2.2	5	15	2.2:1	45	M1
AML218L0902	2.0 - 18.0	9	1	2.5	5	15	2.2:1	50	M1
AML218L3801	2.0 - 18.0	36	2	2.6	5	15	2.0:1	220	B4
AML218L1501-J	2.0 - 18.0	15	1.5	4.5	8	18	2.2:1	110	B2
AML218L1501	2.0 - 18.0	16	1	2.8	8	18	2.0:1	110	B2
AWB2018-20-08	2.0 - 18.0	20	2	3.5	8	18	2.0:1	140	STC
AML218L2501	2.0 - 18.0	24	1.5	2.8	8	18	2.0:1	150	B3
AWB2018-30-08	2.0 - 18.0	30	2	3.5	8	18	2.0:1	200	STC
AML218L3401	2.0 - 18.0	32	2	2.8	8	18	2.0:1	195	B4
AML218L3404	2.0 - 18.0	32	2	2.5	8	18	2.0:1	195	B4
AWB2018-40-08	2.0 - 18.0	40	2	3.5	8	18	2.0:1	260	STC
AML218L4401	2.0 - 18.0	42	2.2	2.8	8	18	2.0:1	230	B5
ALS0218-14-09	2.0 - 18.0	14	1.5	4.5	9	19	2.2:1	100	STC-2
JCA218-201	2.0 - 18.0	17	2.5	4.5	10	20	2.0:1	200	K2
AWB2018-20-10	2.0 - 18.0	20	2	3.5	10	20	2.0:1	225	STC
AML218L2204	2.0 - 18.0	20	1.5	3	10	20	2.0:1	160	B3
AML218L2506	2.0 - 18.0	20-27	1.5	4	10	20	2.2:1	170	B3

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ALS0218-23-10	2.0 - 18.0	23	1.5	3.8	10	20	2.2:1	190	STC-2
AML218L2501-J	2.0 - 18.0	23	2	4.5	10	20	2.2:1	150	B3
JCA218-301	2.0 - 18.0	25	2.5	4.5	10	20	2.0:1	140	K2
JCA218-401	2.0 - 18.0	30	2.5	4.5	10	20	2.0:1	225	K3
JCA218-403	2.0 - 18.0	31	2.5	3.8	10	20	2.0:1	225	STC-2
AML218L3201	2.0 - 18.0	31-38	1.5	5.5	10	18	2.0:1	220	modB4
AML218L3401-J	2.0 - 18.0	32	2.5	4.5	10	20	2.2:1	195	B4
JCA218-4003	2.0 - 18.0	32	1.5	3.3	10	20		150	K3
AML218L3202	2.0 - 18.0	32	2	2.8	10	18	2.0:1	195	B4
JCA218-503	2.0 - 18.0	36	2.5	4	10	20	2.0:1	245	K4
AML218L4401-J	2.0 - 18.0	42	3.25	4.5	10	20	2.2:1	230	B5
AML218L5401	2.0 - 18.0	50	2.5	2.8	10	18	2.2:1	360	B6
JCA218-504	2.0 - 18.0	40	3	4.2	12	22	2.0:1	350	K2/K2
AML218P1401	2.0 - 18.0	14	1.5	4.5	14	24	2.0:1	100	M1
AML218L1502	2.0 - 18.0	15	1	3	14	24	2.0:1	160	B2
AML218L1502-J	2.0 - 18.0	15	1.5	5	14	24	2.2:1	160	B2
AML218L2502	2.0 - 18.0	23	1.5	3	14	24	2.0:1	195	B3
AML218L2502-J	2.0 - 18.0	23	2	5	14	24	2.2:1	195	B3
AML218L3402-J	2.0 - 18.0	32	2.5	5	14	24	2.2:1	240	B4
AML218L3402	2.0 - 18.0	34	2	3	14	24	2.0:1	240	B4
ALA0218-35-19	2.0 - 18.0	35	1	6.5	14	N/A	2.0:1	375	STC-4
AWB2018-17-15	2.0 - 18.0	17	2	4	15	25	2.0:1	165	STC
AML218L1702	2.0 - 18.0	18	1.5	3.5	15	25	2.5:1	200	B4
AWB2018-26-15	2.0 - 18.0	26	2	4	15	25	2.0:1	225	STC
AML218L3502	2.0 - 18.0	32	2	3.8	15	23	1.8:1	150	B4
AWB2018-35-15	2.0 - 18.0	35	2	4	15	25	2.0:1	285	STC
AML218P0701	2.0 - 18.0	7	1.5	7	18	25	2.0:1	110	M1
AML218L2505	2.0 - 18.0	25	1	3	18	25	2.0:1	230	B3
AWB2018-35-18	2.0 - 18.0	35	2	5	18	26	2.0:1	355	STC-4
AML218L2601	2.0 - 18.0	26	1.5	4	19	28	2.0:1	250	B3
AML218P2003	2.0 - 18.0	18-22	1.5	5.6	19	27	2.0:1	300	B4
AWB2018-15-20	2.0 - 18.0	15	2	5	20	30	2.0:1	280	STC
AML218P1601	2.0 - 18.0	16	1	6	20	28	2.0:1	170	B2
AML218P1602	2.0 - 18.0	16	1	4.5	20	28	2.0:1	170	B2
AML218P1604	2.0 - 18.0	18-20	1	5	20	28	2.0:1	200	B2
AML218P1801	2.0 - 18.0	16	1	6	20	28	2.0:1	170	B2
AML218P2006	2.0 - 18.0	20	2	5	20	30	2.2:1	400	B2
AWB2018-24-20	2.0 - 18.0	24	2	5	20	30	2.0:1	350	STC

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Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
AML218P2801	2.0 - 18.0	25	1.5	3	20	28	2.0:1	230	B3
AML218P2503	2.0 - 18.0	25	2	5.5	20	28	2.0:1	230	B3
AML218P2601	2.0 - 18.0	25	1.5	4.5	20	28	2.0:1	260	B3
AML218P3401	2.0 - 18.0	34	2	3	20	28	2.0:1	320	B4
AML218P3402	2.0 - 18.0	34	2.5	5	20	28	2.0:1	320	B4
AML218P3501	2.0 - 18.0	35	2.5	5.5	20	28	2.2:1	300	B4
AML218P2001	2.0 - 18.0	21-24	1.5	3.5	20	30	2.0:1	300	B3
AML218P3002	2.0 - 18.0	29-32	1.5	5	20	28	2.3:1	330	B4
AWB2018-32-20	2.0 - 18.0	32	2	4.5	20	30	2.0:1	400	STC
AML218P3202	2.0 - 18.0	31-34	1.5	3.5	20	28	2.0:1	375	B4
AML218P1502	2.0 - 18.0	14-18	1.25	6	21	30	2.0:1	300	B2
JCA218-209	2.0 - 18.0	16	2.5	5	21	31	2.0:1	400	KM2
JCA218-309	2.0 - 18.0	21	2.5	5	21	31	2.0:1	400	KM2
JCA218-409	2.0 - 18.0	29	2.5	5	21	31	2.0:1	500	KM4
AWB2018-23-22	2.0 - 18.0	23	1.5	4.5	22	32	2.2:1	310	STC
AML218P2504	2.0 - 18.0	25	1.5	3.5	22	30	2.0:1	350	B3
AML218P2506	2.0 - 18.6	26	1.5	4	22	29	1.8:1	310	B3
AML218P3201	2.0 - 18.0	32	2	5	22	32	2.0:1	500	B4
AML218P3403	2.0 - 18.0	34	2	3	22	30	2.0:1	380	B4
AML218P3403-J	2.0 - 18.0	34	3	5	22	30	2.0:1	380	B4
AML218P2505	2.0 - 18.0	23.5-26.5	1.5	4	22	30	1.8:1	350	B3
AML218P2301	2.0 - 18.0	23	2	6.5	24	30	2.0:1	400	B3
AML218P2504-TC	2.0 - 18.0	26-29	1.25	3.1	24	31.5	2.0:1	580**	B5
AML218P3005	2.0 - 18.0	30-34	1.5	4.5	24	32	2.2:1	15V, 525	B4
AML218P2404	2.0 - 18.0	25	1.5	6	25	34	2.0:1	750**	B5
JCA218-3001	2.0 - 18.0	29	2	4	25	30	2.0:1	1.0 A	KM4
AWB2018-30-25	2.0 - 18.0	30	1.75	5	25	33	2.0:1	1000	SLC-2
AML218P3203	2.0 - 18.0	32	2.5	4	25	30	2.0:1	550**	B4
AML218P3206	2.0 - 18.0	32-36	1.5	4	25	32	2.0:1	550	B4
AML218P4203	2.0 - 18.0	40-45	2.5	4	25	33	2.0:1	700	B5
APA0218-30-26	2.0 - 18.0	30	2	5.5	26	33	2.2:1	2000	SLC-3
APA0218-30-27	2.0 - 18.0	30	2.5	6.5	27	37	2.2:1	1900	SPC
APA0218-34-27	2.0 - 18.0	34	2.5	4.5	27	37	2.2:1	1800	SPC
AML218P3204	2.0 - 18.0	30	2	5.5	28	34	2.0:1	1200**	B5
AML218P3205	2.0 - 18.0	30	2.5	6	30	34	2.0:1	2000**	

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2.0 - 20.0 GHz									
AML220L3401	2.0 - 20.0	30	1.5	4	10	20	2.0:1	200	B4
AML220L2601	2.0 - 20.0	25	1	4.5	12	24	2.0:1	110	
JCA220-208	2.0 - 20.0	21	3	5	17	27	2.0:1	300	STC-2
AML220L2401	2.0 - 20.0	24	1.5	3	17	25	2.0:1	200	B3
AML220P2501	2.0 - 20.0	25	2.2	3	20	28	2.0:1	280	B3
JCA220-309	2.0 - 20.0	27	3	5	20	30	2.0:1	350	STC-3
JCA220-409	2.0 - 20.0	34	3	5	20	30	2.0:1	450	K4
AML220P3001	2.0 - 20.0	30	2.5	5	27	32	2.2:1	1200**	B5
2.0 to 40.0 GHz									
AML240L1801	2.0 - 40.0	18	1.5	5.8	10	18	2.0:1	150	KA3
AML240L2801	2.0 - 40.0	28	2	5.8	10	18	2.0:1	250	KA3
AML240L2802	2.0 - 40.0	28	2	5.8	10	18	2.0:1	250	002-0802
AML230P0801	2.0 - 30.0	7	2	8	17	25	2.0:1	160	KA3
AML240L2201	2.0 - 40.0	22	3	6	17*	25	2.0:1	350	KA3
AML226P0801	2.0 - 26.5	7	2	8	19	27	2.0:1	160	KA3
AML230P2401	2.0 - 30.0	24	2.5	6	19	28	2.0:1	350	KA3
4.0 - 12.0 GHz									
AML412L1001	4.0 - 12.0	10	0.75	2	10	20	1.8:1	50	K2
AML412L2001	4.0 - 12.0	20	1	2.5	10	20	1.8:1	100	K3
AML412L2101	4.0 - 12.0	21	1	2	10	20	1.6:1	160	K3
AML412L3001	4.0 - 12.0	30	1.5	1.7	10	20	1.5:1	150	K4
AML412L3002	4.0 - 12.0	30	1.5	2.5	10	20	1.8:1	150	K4
JCA412-303	4.0 - 12.0	20	1.5	5	14	24	2.0:1	180	K3
AML412L1002	4.0 - 12.0	10	0.75	3	15	25	1.8:1	60	K2
JCA412-2026	4.0 - 12.0	17	1.5	5	15	25	2.0:1	200	K2
AML412L2002	4.0 - 12.0	20	1	2.5	15	25	1.8:1	120	K3
AML412L3003	4.0 - 12.0	30	1.5	2.5	15	25	1.8:1	180	K4
AML412P1001	4.0 - 12.0	10	0.75	4	20	30	1.8:1	80	K2
AML412P2001	4.0 - 12.0	20	1	3	20	30	1.8:1	220	K3
AML412P2002	4.0 - 12.0	20	1	4	20	30	1.8:1	230	K3
AML412P3001	4.0 - 12.0	30	1.5	2.5	20	30	1.8:1	200	K4
JCA312-404	3.4 - 12.75	26	1.5	5	23	33	2.0:1	500	K2
AML412P1601	4.0 - 12.0	16	1.25	6	24	32	1.8:1	260	K3

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AML412P2003	4.0 - 12.0	20	1	7	24	32	1.8:1	450	K3
AML412P2601	4.0 - 12.0	26	1.5	4	24	32	1.8:1	320	K4
AML412P2801	4.0 - 12.0	28	2	4	27	35	1.8:1	600**	K5
AML412P2802	4.0 - 12.0	27	2	4	30	38	1.8:1	850**	K5
6.0 - 20.0 GHz									
AML620L1803	6.0 - 20.0	18	2	3.5	8	20	2.0:1	55	K2
AML620L1802	6.0 - 20.0	17 - 20	1	3	12	22	2.0:1	150	K3
AML620P1401	6.0 - 20.0	13	1.5	-	16	25	2.0:1	130	NA
AML620P4201	6.0 - 20.0	42	3	4	27	33	2.0:1	950	K8
AML620P1001*	6.0 - 20.0	10	1.5	7	28	35	2.0:1	850	K4
7.0 - 26.0 GHz									
AML726L2301	7.0 - 26.0	23	2	4	13	19	2.0:1	200	0425
AML722L2901	7.0 - 22.0	29	1.75	4	15	25	2.0:1	300	K5
AML722P2801	7.0 - 22.0	28	1.75	5	20	30	2.0:1	375	K5
8.0 - 20.0 GHz									
AML820L2001	8.0 - 20.0	20	1.5	2.7	7	20	2.0:1	60	NA
AML820L2002	8.0 - 20.0	20	2	3	8	20	2.0:1	12V, 55	K2
AML820L2201	8.0 - 20.0	20	2	3	12	27	2.0:1	150	NA
AML820P1301	8.0 - 20.0	13	1	5.5	20	27	2.0:1	250	K3
AML820P1302	8.0 - 20.0	13 - 14.5	0.75	4.8	22	33	1.8:1	250	K3
AML820P4001	8.0 - 20.0	40	2.5	3.2*	22	28	2.0:1	1000	K6
AML820P4501	8.0 - 20.0	41	3	3.2*	26	32	2.0:1	1000	K8
*3.5dB max b/w 18-20GHz.									
8.0 - 40.0 GHz									
AML840L2002	8.0 - 40.0	18	1.5	5*	8	16	2.0:1	180	KA3
AML840L3002	8.0 - 40.0	28	2	5*	8	16	2.0:1	260	KA3
AML840L2001	8.0 - 40.0	18	1.5	5*	16	22	2.0:1	220	KA3
AML840L3001	8.0 - 40.0	28	2	5*	16	22	2.0:1	300	KA3
10.0 - 40.0 GHz									
AML1040L3601	10.0 - 40.0	36	4	4.5	10	17	2.0:1	12V, 150	
AML1035L3601	10.0 - 35.0	36	3.5	4	10	17	2.0:1	12V, 150	

Model Number	Freq. Range (GHz)	Gain (dB min)	Flat. (± dB max)	NF (dB max)	P-1dB (dBm min)	Output IP3 (dBm typ.)	VSWR In/Out (nom)	DC Current (mA nom)	Outline
18.0 - 40.0 GHz									
ALS1840-24-06	18.0 - 40.0	24	2	5	6	16	2.5:1	425	STK
ALS1840-28-06	18.0 - 40.0	28	2	5	6	16	2.5:1	500	STK
ALS1840-30-08	18.0 - 40.0	30	2.5	4	8	18	2.5:1	250	STK
AML1840L2002	18.0 - 40.0	18	1.5	5*	10	22	2.0:1	180	KA3
ALS1840-20-10	18.0 - 40.0	20	2.5	5	10	20	2.5:1	375	STK
AML1840L3002	18.0 - 40.0	28	2	5*	10	22	2.0:1	260	KA3
ALS1840-30-10	18.0 - 40.0	30	2.5	4.5	10	20	2.5:1	350	STK
JCA1840-400	18.0 - 40.0	38	2.75	5.1	10	19	2.2:1	575	KM4-K
AML1840L2001	18.0 - 40.0	18	1.5	5*	13	22	2.0:1	220	KA3
ALS1840-24-13	18.0 - 40.0	24	3	5.5	13	23	2.5:1	525	STK
ALS1840-34-13	18.0 - 40.0	34	3.5	5	13	23	2.5:1	675	STK
ALS1840-70-13	18.0 - 40.0	70	2.5	5.5	13	20	2.5:1	675	Dual STK-4
AML1840L3001	18.0 - 40.0	28	2	5*	16	22	2.0:1	300	002-0802
ALS1840-18-17	18.0 - 40.0	18	2.5	9	17	26	3.0:1	750	STK-6 O/L
AML2440P3001	24.0 - 40.0	28	2.5	5	19	28	2.0:1	400	KA3
AML1840L4201	18.0 - 40.0	42	3	6.5	19	25	2.2:1	650	002-0750
AML1840P2802	18.0 - 40.0	35	3	6.5	22	28	2.0:1	800	002-0985

*up to 36GHz. 5.5dB max @ 40GHz

-Specifications are at +25°C
-Operating temperature range is -20 to +70°C
-Operational range of -54 to +85°C is available

-DC Voltage is +12 to +15 VDC unless stated otherwise
-Specifications are subject to change

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