

# Low-Noise Amplifiers – Narrowband Up to 18.0 GHz

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AL Series Model Number	Frequency Response (GHz)	Gain (dB)	Gain Flatness (±dB)	Noise Figure (dB)	P1dB (+dBm)	VSWR In/Out	Volts (DC)	DC Current (mA)	Case
	Min	Min	Max	Max	Min	Max	Typ	Typ	
ALN/039-1510	3.1-3.9	10	0.5	1.5	8	1.8:1	12-15	80	HC2
ALN/039-1520	3.1-3.9	20	0.5	1.5	8	1.8:1	12-15	120	HC2
ALN/039-1530	3.1-3.9	30	0.5	1.5	10	1.8:1	12-15	160	HC2
ALW/059-1510	4.4-5.9	10	0.75	1.5	8	1.8:1	12-15	80	HC2
ALW/059-1520	4.4-5.9	20	0.75	1.5	8	1.8:1	12-15	120	HC2
ALW/059-1530	4.4-5.9	30	0.75	1.5	10	1.8:1	12-15	160	HC2
ALW/065-1510	5.2-6.5	10	0.75	1.5	8	1.8:1	12-15	80	HC2
ALW/065-1520	5.2-6.5	20	0.75	1.5	8	1.8:1	12-15	120	HC2
ALW/065-1530	5.2-6.5	30	0.75	1.5	10	1.8:1	12-15	160	HC2
ALW/085-1522	7.1-8.5	22	0.50	1.5	8	1.5	12-15	120	HC2
ALW/085-1533	7.1-8.5	33	0.50	1.5	10	1.5	12-15	160	HC2
ALW/085-1544	7.1-8.5	44	0.75	1.5	12	1.5	12-15	220	HC4
ALW/096-1520	8.1-9.6	20	0.50	1.5	8	1.5	12-15	120	HX2
ALW/096-1530	8.1-9.6	30	0.50	1.5	10	1.5	12-15	160	HX2
ALW/096-1540	8.5-9.6	40	0.75	1.5	12	1.5	12-15	220	HX4
ALN/105-1510	9.0-10.6	10	0.50	1.5	6	1.5	12-15	80	HX2
ALN/105-1520	9.0-10.6	20	0.50	1.5	8	1.5	12-15	120	HX2
ALN/105-1530	9.0-10.6	30	0.50	1.5	10	1.5	12-15	160	HX2
ALN/105-1540	9.0-10.6	40	0.75	1.5	12	1.5	12-15	220	HX4
ALW/125-1810	10.5-12.5	10	0.50	1.8	6	1.8	12-15	80	HX2
ALW/125-1820	10.5-12.5	20	0.50	1.8	8	1.8	12-15	120	HX2
ALW/125-1830	10.5-12.5	30	0.50	1.8	10	1.8	12-15	160	HX2
ALW/125-1840	10.5-12.5	40	0.75	1.8	12	1.8	12-15	220	HX4
ALN/135-2210	12.4-13.5	10	0.50	2.2	6	1.5	12-15	80	HX2
ALN/135-2220	12.4-13.5	20	0.50	2.2	8	1.5	12-15	120	HX2
ALN/135-2230	12.4-13.5	30	0.50	2.2	10	1.5	12-15	160	HX4
ALN/135-2240	12.4-13.5	40	0.75	2.2	12	1.5	12-15	220	HX4
ALW/155-2510	13.5-15.5	10	0.50	2.5	6	1.5	12-15	80	HX2
ALW/155-2520	13.5-15.5	20	0.50	2.5	8	1.5	12-15	120	HX2
ALW/155-2530	13.5-15.5	30	0.50	2.5	10	1.5	12-15	160	HX4
ALW/155-2540	13.5-15.5	40	0.75	2.5	12	1.5	12-15	220	HX4
ALW/180-2510	14-18	10	0.50	2.5	6	1.5	12-15	80	HX2
ALW/180-2520	14-18	20	0.75	2.5	8	1.5	12-15	120	HX2
ALW/180-2530	14-18	30	0.75	2.5	10	1.5	12-15	160	HX4
ALW/180-2540	14-18	40	0.75	2.5	12	1.5	12-15	220	HX4

New Products

