

Low Noise Amplifier

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vd (V)	Id (mA)	PKG	
BL011	5-4000	900	22.0	20.5	33.5	5dBm	0.91	5.0	75	SOT89
		1900	17.0	20.5	36.0		1.13			
		2140	16.5	20.5	35.5		1.17			
		2450	15.5	20.0	38.0		1.30			
BL022	50-3000	70	26.0	22.0	33.0	5dBm	1.00	5.0	70	SOT89
		900	22.0	22.0	33.5		0.90			
		1900	17.0	22.0	36.0		0.95			
		2140	16.0	22.0	36.0		1.05			
		2650	14.5	22.0	36.5		1.25			
BL022A	50-3000	70	26.0	20.3	39.5	5dBm	1.60	5.0	70	SOT89
		900	23.0	22.0	36.5		1.35			
		1900	19.0	22.0	35.5		1.50			
		2140	18.5	22.0	35.0		1.55			
		2650	17.5	22.0	34.0		1.80			
BL081	5-4000	900	21.0	17.0	28.0	5dBm	0.95	5.0	25	SOT89
		1900	17.0	17.0	29.0		1.13			
		2140	16.0	16.5	28.0		1.15			
		2450	15.5	16.5	28.0		1.25			

		3500	13.4	18.5	31.1		1.40			
BL082	5-4000	900	20.9	18.8	28.0	5dBm	0.88	5.0	27	SOT363
		1900	17.1	19.2	30.3		1.00			
		2140	16.2	19.5	30.6		1.08			
		2350	15.6	19.3	31.6		1.14			
		2650	14.6	19.0	31.4		1.14			
		3500	12.5	18.6	29.9		1.30			
BL083	50-4000	900	20.4	17.9	30.0	0dBm	0.78	3.0	42	SOT363
		1850	15.6	17.7	31.5		0.78			
		2140	14.3	17.7	31.5		0.95			
		2650	13.1	17.4	32.5		0.95			
		3500	10.6	17.6	32.2		1.16			
BNT01	1500-3000	1900	15.5	22.0	37.0	5dBm	1.60	4.4	68	SOT89
		2140	14.5	22.0	37.0		1.70			
		2650	13.0	22.0	36.0		1.80			
BNT02	40-6000	70	21.7	22.0	38.6	5dBm	0.90	5.0	85	SOT89
		900	20.8	22.3	38.0		1.00			
		2140	19.3	21.8	37.7		1.10			
		3500	17.5	19.6	37.5		1.50			
		4650	17.3	18.9	37.1		1.90			
	40-6000	70	21.2	18.5	33.1	5dBm	0.80	3.3	48	SOT89

		900	20.3	18.3	32.3		0.90			
		2140	18.8	18.2	33.0		1.10			
		3500	16.7	16.0	31.1		1.50			
		4650	16.6	15.4	29.2		1.80			
BLB01	500-1500	500	24.5	21.2	38.0	0dBm	0.65	5.0	66	DFN8 2x2
		700	22.5	21.1	37.5		0.40			
		900	21.0	20.9	35.5		0.40			
		1500	17.5	19.3	32.5		0.62			
	500-1500	500	23.3	16.2	31.0		0.62	3.0	27	
		700	21.4	16.9	30.5		0.39			
		900	19.7	17.2	28.5		0.38			
		1500	16.1	17.5	27.0		0.60			
BLB02	1500-2700	1750	19.0	19.5	36.0	0dBm	0.60	5.0	60	DFN8 2x2
		1950	18.1	19.5	36.8		0.67			
		2140	17.5	19.2	35.0		0.77			
		2650	15.6	19.0	33.0		0.99			
	1500-2700	1750	18.4	15.4	30.2		0.53	3.0	35	
		1950	17.7	15.8	30.0		0.56			
		2140	17.0	15.6	28.7		0.65			
		2650	15.2	15.7	28.2		0.89			
BLB03	1500-4000	1850	20.3	20.9	33.9	0dBm	0.32	5.0	57	DFN8 2x2



		2140	19.5	21.0	34.3		0.36			
		2650	18.0	21.0	35.8		0.45			
		3500	16.4	20.1	35.5		0.67			
	1500-4000	1850	19.5	16.5	29.6		0.31	3.0	34	
		2140	18.6	16.8	29.6		0.38			
		2650	17.0	16.6	30.3		0.48			
		3500	15.7	15.8	30.8		0.66			

