

## High Linearity, Internally Matched SMD-type WCDMA-LNA



Last update: July. 14 , 2009

Class	Appl.	Part No.	Vs (V)	Ic (mA)	Freq. Range		Gain (dB)	GF (+/-)	NF (dB)	OIP3 (dBm)	S11 (dB)	S22 (dB)	P1dB (dBm)	PKG Size (mm)
					(MHz)	(MHz)								
		ALN1950BT	3.5	25	1900	2000	14.2	0.3	0.8	31	-18	-9	17	10x10x3.8
	WCDMA	ALN1951BT	5	50	1920	1980	15	0.3	0.9	31	-18	-14	17	10x10x3.8
	WCDMA	ALN2044AT	5	50	1920	2170	14.2	0.5	0.65	34	-19	-9	18.5	10x10x3.8
	WCDMA	ALN2045AT	5	65	1920	2170	14.3	0.5	0.65	34	-19	-9	18	10x10x3.8
	WCDMA	ALN2046AT	5	65	1920	2170	15.2	0.5	0.7	34	-15	-10	18	10x10x3.8
	WCDMA	ALN2140BT	5	35	2110	2170	14.5	0.3	0.8	32	-18	-12	17	10x10x3.8
		ALN1930	5	80	1875	1985	27	0.5	0.95	33	-18	-10	18	13x13x3.8
		ALN1945	5	150	1915	1975	27	0.1	0.65	36	-18	-10	23	13x13x3.8
	WCDMA	ALN1945T2	5	80	1920	1980	32	0.2	1	31	-18	-10	17	10x10x3.8
	WCDMA	ALN1951	5	75	1940	1960	27	0.1	0.65	33	-18	-10	20.5	13x13x3.8
	WCDMA	ALN1952	5	100	1940	1960	30	0.1	0.9	33	-18	-10	21	13x13x3.8
	WCDMA	ALN1953	5	100	1940	1960	29	0.1	0.65	34	-18	-10	21	13x13x3.8
		ALN1954	5	160	1920	1980	26.5	0.15	0.65	39.5	-18	-18	20	13x13x3.8
	WCDMA	ALN1960	5	80	1940	1980	30	0.5	0.95	36	-20	-10	19	13x13x3.8
		ALN1970	5	110	1960	1980	30	0.1	0.75	36	-18	-10	20	13x13x3.8
	WCDMA	ALN1970T2	5	90	1960	1980	29	0.1	0.65	33	-18	-15	17	10x10x3.8
	WCDMA	ALN1971T2	5	95	1960	1980	24	0.1	0.65	34	-18	-12	20	10x10x3.8
	WCDMA	ALN1972T2	5	100	1960	1980	22	0.1	0.65	34	-18	-12	20	10x10x3.8
	TDS-CDMA	ALN2017	5	95	2010	2025	32.5	0.1	0.95	34	-18	-15	21	13x13x3.8
	WCDMA	ALN2045	5	80	1920	2170	27	0.5	0.95	35	-18	-10	18	13x13x3.8
	WCDMA	ALN2045R2	5	110	1920	2170	25.5	0.8	0.95	36.5	-18	-10	20.5	10x10x3.8
	WCDMA	ALN2045T1	5	95	1920	2170	28	0.7	1	35	-18	-15	20	10x10x3.8
	WCDMA(Switching)	ALN2046	5	80	1920	2170	28	0.5	0.95	29	-18	-10	18	13x13x3.8
	WCDMA	ALN2046R2	5	110	1920	2170	22	1	0.95	38	-18	-10	21	10x10x3.8
	WCDMA	ALN2047	5	90	1920	2170	25	0.6	0.9	35	-18	-10	20	13x13x3.8
		ALN2045M3	5	400	1920	2170	36	0.4	0.7	44	-18	-10	29	25x13x3