

Low Noise Amplifiers & Front-End ICs

Low Noise Amplifiers and Gain Blocks

Part Number	Frequency	Test Freq	Gain (dB)	LNA NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage	Package
TL0374J	0.03 – 3.0 GHz	2.6 GHz	19.0	0.37	19.5	36.5	5.0 V	2x2 DFN
TL0375J	2.0 – 5.0 GHz	3.6 GHz	17.5	0.40	19.5	33.0	5.0 V	2x2 DFN
TP0310K	0.03 – 3.8 GHz	2.5 GHz	14.0	1.10	27.0	37.0	5.0 V	3x3 DFN
TL0301H	5.1-6.0 GHz	5.5 GHz	17.5	0.90	12.0	17.0	3.3 V	1.5X1.5 DFN
TL0302H	5.9-7.2 GHz	6.6 GHz	13.5	1.4	12.0	16.0	3.3 V	1.5X1.5 DFN
TR0329M	2.0 - 4.2 GHz	3.6 GHz	Low gain mode:15.0	0.50	10.5	22.0	5.0 V	3.5 X 3.5 QFN
			High gain mode:32.0	0.50	20.0	35.0		

Switch LNA modules / Massive MIMO Front-End ICs

Part Number	Frequency	Test Frequency	Power Handling	Gain Rx Mode (dB)	NF (dB)	OP1dB (dBm)	OIP3 (dBm)	Voltage	Package
TSL8329M	3.3 – 4.2 GHz	3.6 GHz	43 dBm LTE avg, 8 dB PAR	Low gain mode:13.0	0.9	10.5	18.0	5.0 V	6x6 QFN
				High gain mode:32.0	1.0	20.0	35.0		
TSL8029N	2.0 – 5.0 GHz	3.6 GHz	100W avg, 630W peak	Low gain mode:14.5	1.3	12.0	20.0	5.0 V	5x5 QFN
				High gain mode:33.0	1.4	22.0	31.0		
TSL8028N NEW	2.0 – 5.0 GHz	3.6 GHz	100W avg, 630W peak	Low gain mode:14.5	1.1	13.0	24.0	5.0 V	5x5 QFN
				High gain mode:33.0	1.2	21.0	33.0		
TSL8027N NEW	1.4 – 5.0 GHz		100W avg, 630W peak					5.0 V	6x6 QFN

