

LOW NOISE AMPLIFIERS

Features

Low noise amplifiers guaranteed at +25c

All units include LDO Internal regulation which allows operation from +9 to +15vdc.

Maximum input level without damage is +20dbm CW

Durable SMA female connectors in/out. (Male connectors available upon request)

All units unconditionally stable.

Part Number	Frequency Range (GHz)	Gain (dB)	Gain Flatness +/- (dB)	Noise Figure (dB)	P1dB Compression (dBm) min.	IP3 (dBm) Typ.	VSWR (In)	VSWR (Out)	+12 Vdc	Case Type
QLN-4458S210	4.4-5.85	28	0.25	0.9 Typ	10	22	1.8:1	1.8:1	80	L2++
QLN-4504S210	4.5-5.0	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-0555S210	5.0-5.5	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-5506S210	5.5-6.0	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-0665S210	6.0-6.5	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-6507S210	6.5-7.0	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-0775S210	7.0-7.5	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-7508S210	7.5-8.0	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-0885S210	8.0-8.5	25	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-8509S210	8.5-9.0	25	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-0995S210	9.0-9.5	25	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-9510S210	9.5-10	25	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-1015S312	10.0-10.5	30	1	1.0 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1011S312	10.5-11.0	30	1	1.0 Typ	12	22	2.0:1	2.0:1	100	L3

QLN-1012S310	10.7-12.75	30	1	1.0 Typ	10	22	1.8:1	1.8:1	100	L3++
QLN-1115S312	11.0-11.5	30	1	1.0 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1112S310	11.45-12.75	30	1	0.9 Typ	10	22	1.8:1	1.8:1	100	L3++
QLN-1112S312	11.5-12.0	30	1	1.0 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1215S312	12.0-12.5	30	1	1.0 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1213S312	12.5-13.0	30	1	1.0 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1315S312	13.0-13.5	30	1	1.0 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1314S312	13.5-14.0	30	1	1.2 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1415S312	14.0-14.5	30	1	1.2 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1414S310	14.4-14.83	30	1	1.0 Typ	10	22	1.8:1	1.8:1	100	L3++
QLN-1415S310	14.4-15.35	30	1	1.2 Typ	10	22	1.8:1	1.8:1	100	L3++
QLN-1515S312	14.5-15.0	30	1	1.2 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1516S312	15.0-15.5	30	1	1.2 Typ	12	22	2.0:1	2.0:1	100	L3
QLN-1921M310	19.7-21.2	42	1	1.35 Typ	10	22	1.5:1	1.5:1	150	MM4++
QLN-3133M310	31.8-33.0	38	1	1.55 Typ	10	22	1.5:1	1.5:1	150	MM4++
QLN-P510S210	0.5-1.0	28	0.75	0.85 Typ	10	22	1.8:1	1.8:1	80	L2++
QLN-0102S210	1.0-2.0	28	1	0.85 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-1625S210	1.6-2.5	28	1	1.1 Typ	10	22	1.8:1	1.8:1	80	L2++
QLN-1718S210	1.76-1.84	28	0.25	0.8 Typ	10	22	1.8:1	1.8:1	80	L2++
QLN-0203S210	2.0-3.0	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-0335S210	3.0-3.5	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-3504S210	3.5-4.0	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2
QLN-0445S210	4.0-4.5	28	1	1.0 Typ	10	22	2.0:1	2.0:1	80	L2