

Heritage Low Noise Amplifier Line Up

L-band LNA



Specification Table

Parameter	Unit	Specification	Typical Performance
Frequency Range	MHz	1626.5 to 1660.5	1626.5 to 1660.5
Usable Bandwidth	MHz	34	34
Gain	dB	43+/-0.5	43
Gain Flatness	dBp-p	0.7 max	0.6
Noise Figure (LNA Portion)	dB	0.85 max	0.81 (0.65 at AMB)
C/3IM	dBc	-70 max at Pout -31dBm	-82
Power Consumption	W	0.5 (7V)	0.44
Mass	kg	0.42	0.41
Size (L x W x H)	mm	97 x 50 x 105	97 x 50 x 105
Temperature Range	°C	-15 to 65	-15 to 65

Main Characteristics

- o Low noise figure and high gain performance
Noise figure: 0.65 dB max. at +23degC
Gain: 43 dB nom.
- o Light weight and small size
Mass: 0.41 kg nom. (each LNA)
Size: 97 x 50 x 105 mm (each LNA)
- o L-band LNA Assembly are 2 for 1 redundant configuration which consists of 2 RF Amp and Input/Output switch.
- o We can provide the Central Power Supply (CPSU) for each LNA.