

C BAND LNBS

Av-Comm L1508N Enhanced C Band 5G Filtered PLL LNB 3.9-4.2GHz +/-5kHz



Designed in
Australia

Catalogue Number: L1508N
Warranty: 2 Years

PRODUCT DESCRIPTION

The Av-Comm L1508N Enhanced C Band 5G Filtered PLL LNB 3.9-4.2GHz is a single polarity LNB with an input range of 3.9–4.2GHz with the addition of a bandpass filter. The Av-Comm L1508N Enhanced C band 5G LNB is our latest design and provides up to 100dB of rejection for out of band signals.

The 3.9-4.2GHz input of the Av-Comm Enhanced C Bandpass Filtered LNB combined with the addition of a bandpass filter ensures that any terrestrial 5G interference originating within extended C Band (3.4-3.7GHz) or standard C Band (3.7-3.9GHz) is rejected from the input before conversion and processing, ensuring nominal C Band downlink performance.

One of the key benefits of using an Av-Comm C Band 5G Filtered LNB when compared to using a standalone waveguide filter is that Av-Comm's LNB solution does not suffer from insertion loss unlike standalone waveguide filters.

The Av-Comm L1508N C Band 5G Filtered PLL LNB is designed in Australia and supports the Australian satellite communications and space industry.

TECHNICAL SPECIFICATIONS



Input Frequency	3.9-4.2 GHz
Filter Type	Bandpass Filter (3.9-4.2GHz)
Filter Performance	40 dB min. @ passband +/- 50MHz 85 dB min. @ passband +/- 100MHz 100dB min. @ passband +/- 150MHz
Local Oscillator Frequency	5.510 GHz
Local Oscillator Stability	+/- 5 kHz
Noise Temperature	25K
Conversion Gain	65dB typical
Input Waveguide Interface	CPRG-229
Output Connector	N-Type Female - 75Ω
Catalogue Number	L1508N
Voltage Range	12V and 24V (250mA Current Drain)