



L4-2ULNA SPECIFICATIONS

Noise Figure:	0.8 dB nominal (optimized within selected 500 MHz band segment)
Gain:	22 dB nominal (optimized within selected 500 MHz band segment)
Frequency Range:	7.5-8.6 GHz (operates at full range with reduced specifications)
Input Voltage:	7 - 16 VDC
Current Drain:	< 50 mA

DESCRIPTION:

The L4-2ULNA is a low noise amplifier designed by W5LUA and Down East Microwave Inc. using the latest PHEMPT technology. This LNA was designed for receive only purposes including deep space and other standard weak signal reception between 7.5 and 8.6 GHz. Standard frequency unless otherwise specified is 8.1-8.6GHz; but the LNA can be optimized in any 500 MHz band segment and should be specified at time of order if desired. If the standard wide band operation is desired, expect a slight degradation in specifications at the band edges while meeting or exceeding the specifications above somewhere in the band. The LNA is assembled in a machined chemical etched enclosure with SMA connectors only. It is biased through an external DC feed through connector. The LNA will withstand input RF levels of up to 20 mW.

