

**S-BAND CIRCULAR POLARISATION LNA&FEED**

- **LOW NOISE**
- **HIGH CROSS ATTENUATION**
- **DUAL POLARISATION**
- **LOW POWER CONSUMPTION**
- **HIGH RELIABILITY**

This S-band dual channel low noise amplifier is intended for use in modern solid state communication equipment, where high reliability microwave signal amplification, high dynamic range is required. Typical applications are in satellite or terrestrial applications. This microwave LNA is constructed using Gallium Arsenide HEMT amplifier stages of high reliability, integrated together with a high quality circularly polarized feed. Due to the weatherproof sealing, it can be used effectively in harsh environmental conditions.

**Electrical characteristics:**

Frequency Range	3.4 to 4.2 GHz
Cross Polarization Attenuation	20 dB
Gain	33 dB
Gain Flatness	$\pm 1$ dB
I/O VSWR	$< 2 : 1$
I/O Impedance	50 ohms
1 dB Compression	min. 10 dBm
Input Noise Temperature (Noise Figure)	65 K max.
Outputs	LHCP & RHCP
Output Connectors	N - female
Supply Voltage	from +8 to 24V DC / 70mA (via output connectors)
Operating Temperature Range	- 30 to + 70 °C

Specifications are subject to change without notice.

**Outline dimensions (mm):**