

X band LNA for Radioastronomy & satellite communications



USING CUTTING-EDGE TECHNOLOGY, THE NEW LNA/LNB FAMILY OFFERS OUTSTANDING PERFORMANCE IN OUTDOOR OPERATIONS FOR RADIOASTRONOMY APPLICATIONS



RF performance

Operating frequency range	4.5-15.5 GHz
Input VSWR	< 1.33:1
Output VSWR	< 1.33:1
Noise figure	< 3 dB
Gain	25 dB (Typ)
Gain flatness	< 1dB full band
Gain Compression	$P_{out_{1dB}} \leq 15$ dB
Impedance	50 Ω
Power Consumption	< 10 mW

Mechanical & interfaces

RF connector type	Field removable female 50 Ω SMA
Bias connector type	Solder pin and ground lug attached to the chassis
Dimensions (L x W x H)	33.2 x 34.6 x 9.9 mm

Environmental

Operating temperature range	-20°C to 55°C
Storage temperature	-30°C to 60°C
EMC protection	Internal linear DC regulator, reverse voltage protection and DC filter feed-through

Key Features

- * Compact package
- * Wideband
- * Low noise figure

