



Ka LNA
20.2-21.2 GHz
110K

Ka BAND LNA/LNB RANGE FOR COMMERCIAL, GOVERNMENT & DEFENCE SATCOM

Using **cutting-edge technology**, the new Ka LNA family offers outstanding performance in outdoor operations

INNOVATIVE TECHNOLOGY

State-of-the-art technology provides a very low noise figure at Ka band: 20.2-21.2 GHz, with superior performance from a highly compact unit.

EFFICIENCY & RELIABILITY

Each unit is fully tested in an environmental chamber and delivered with a complete factory acceptance test report.

Advanced design and construction mean the equipment can be operated in the toughest environments.

Exceptional performance combined with reliability and cost effectiveness.

CONFIGURABILITY

Several options to configure the product at factory are available, including gain, VSWR and noise temperature. Other port configurations, such as coaxial connector can also be supplied, upon request.



KEY FEATURES

- * Satcom application
- * Superior performance
- * High reliability & efficiency
- * Ultra-low noise figure
- * High gain & low ripple
- * Low input & output VSWR
- * Fault alarm
- * Compact size & lightweight
- * Weatherproof
- * Wide operating temperature range
- * Redundant configurations (1:1, 1:2, N:1)



OPTIONS

- * Coaxial connector
- * Redundant systems 1:1, 2:1, N:1
- * Indoor controller
- * Extended temperature range: -40 °C, + 55 °C

ELECTRICAL

Operating frequency range	20.2-21.2 GHz
Noise temperature	<110 K
Noise figure	<1.4 dB
Input VSWR	<1.5:1
Output VSWR (50 Ω)	<1.8:1
Gain	>50 dB
Gain flatness	2 dB pp max
Gain variation over temperature	±2 dB
Output P1dB	>10 dBm
3 rd OIP	>20 dBm
Spurious	<-60 dBc

POWER SUPPLY & MONITORING

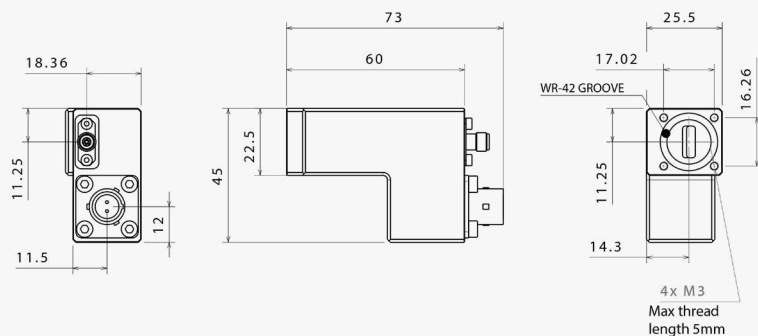
Input voltage	+12 to +28 VDC
Current consumption	<150 mA @15 VDC
Fault alarm circuitry	Form-C contact closure

INTERFACES & PHYSICAL

Dimensions (L x W x H)	45x 25.5 x 60 mm
Weight	110 gr
Interfaces	RF input flange: WR42 RF output: K (f) DC & monitoring: PT02A10-5P

ENVIRONMENTAL

Operating temperature	-30 °C to +55 °C
Storage temperature	-40 °C to +85 °C
Humidity	100 % condensing

 OUTLINE
DRAWING


Dimensions are in "mm" and after treatment
Tolerance according to ISO 2768-f

TTI CONTACT

sales@tinorte.es
www.tinorte.com

NOTICE

Information contained in this document is subject to change without notice.

Unless otherwise specified, tests have been done at 23 °C.