



Ka LNA  
17.7-20.2 GHz  
130K

## 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: 17.7-20.2 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	17.7-20.2 GHz
Noise temperature	<130 K
Noise figure	<1.6 dB
Input VSWR	<2.0:1
Output VSWR (50 Ω)	<1.8:1
Gain	>50 dB
Gain flatness	3 dB pp max
Gain variation over temperature	±2 dB
Output P1dB	>10 dBm
3 <sup>rd</sup> OIP	>20 dBm
Spurious	<-60 dBc

## POWER SUPPLY &amp; MONITORING

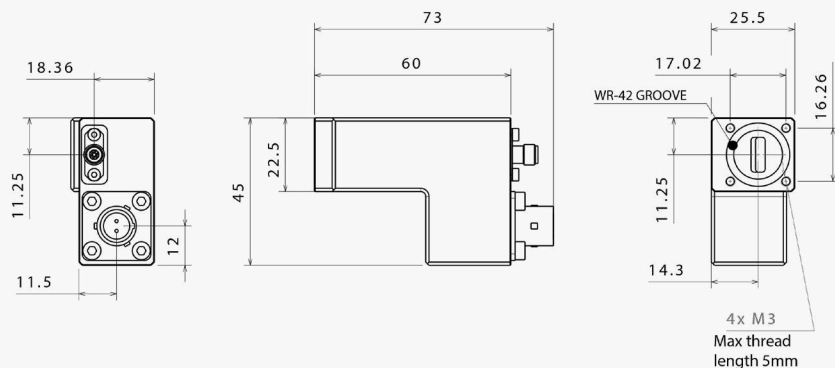
Input voltage	+12 to +28 VDC
Current consumption	<150 mA @15 VDC
Fault alarm circuitry	Form-C contact closure

## INTERFACES &amp; PHYSICAL

Dimensions (L x W x H)	50 x 100 x 35 mm
Weight	250 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

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## NOTICE

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

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