



ALARIS
KUHNE

INSPIRING THE NEXT RF SOLUTION

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V1.0

KU LNA BB 0515 - 4B N - TM



Manual

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A DIVISION OF

ALARIS
THE RF TECHNOLOGY GROUP



Specification

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Type KU LNA BB 0515 – 4B N – TM

Frequency range 5 ... 1500 MHz
 Noise figure @ 18 °C max. 2.0 dB, typ. 1.2 dB
 (30 ... 1500 MHz)

Gain
 Small signal min. 20 dB, typ. 22 dB
 Flatness (small signal) typ. +/-1.0 dB

Output power
 P1dB typ. 22 dBm
 OIP3 typ. 37 dBm

S-Parameter
 Input return loss (S11) min. 6 dB, typ. 10 dB
 (30 ... 1500 MHz)

Operating parameters
 Supply voltage +12 ... 14 V DC
 Current consumption typ. 140 mA

Mechanics
 Input connector / impedance N-female, 50 ohms
 Output connector / impedance N-female, 50 ohms
 DC connector MS3102E10SL-3P Circular 3-pin connector
 Case Water resistant case
 Dimensions (mm) 135 x 75 x 105
 Weight typ. 300 g

Absolute ratings
 Maximum RF input power max. 12 dBm
 Operating temperature range -40 ... +85 °C

Features:

- Large bandwidth
- High IP3
- Reverse polarity protection
- Solder pin for direct power supply

Applications:

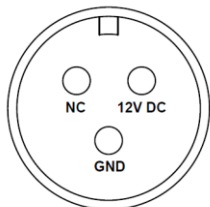
- Broadband LNA for watching systems
- Power amplifier for network analysis
- Suitable for large signal environments (sweep oscillators)
- CATV Distribution amplifier

Fulfilled Standards:

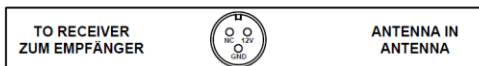
- EMC directive 2014/30/EU
- Low voltage directive 2014/35/EU
- RoHS directive 2011/65/EU



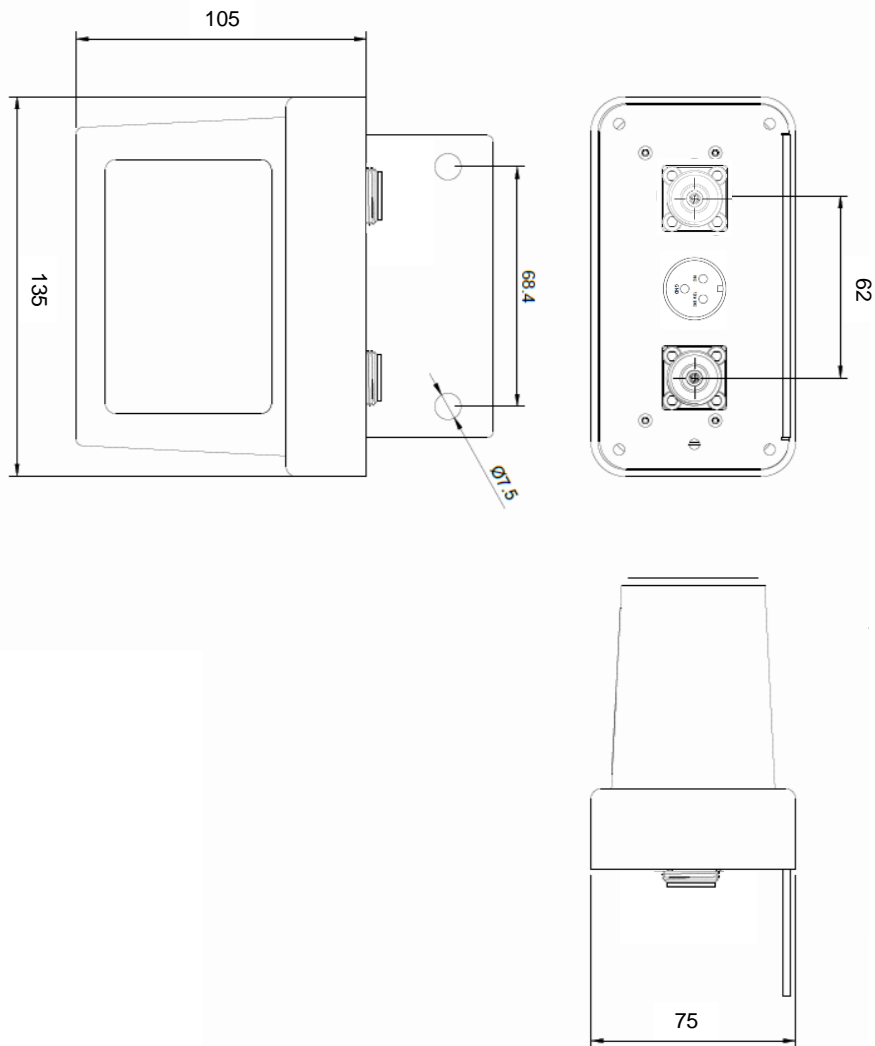
Pin assignment DC connector



Terminal assignment



Dimensions / Mounting holes



Typical Curves (DC Voltage = 12 V, DC Current = 140 mA)

