

Anritsu envision : ensure

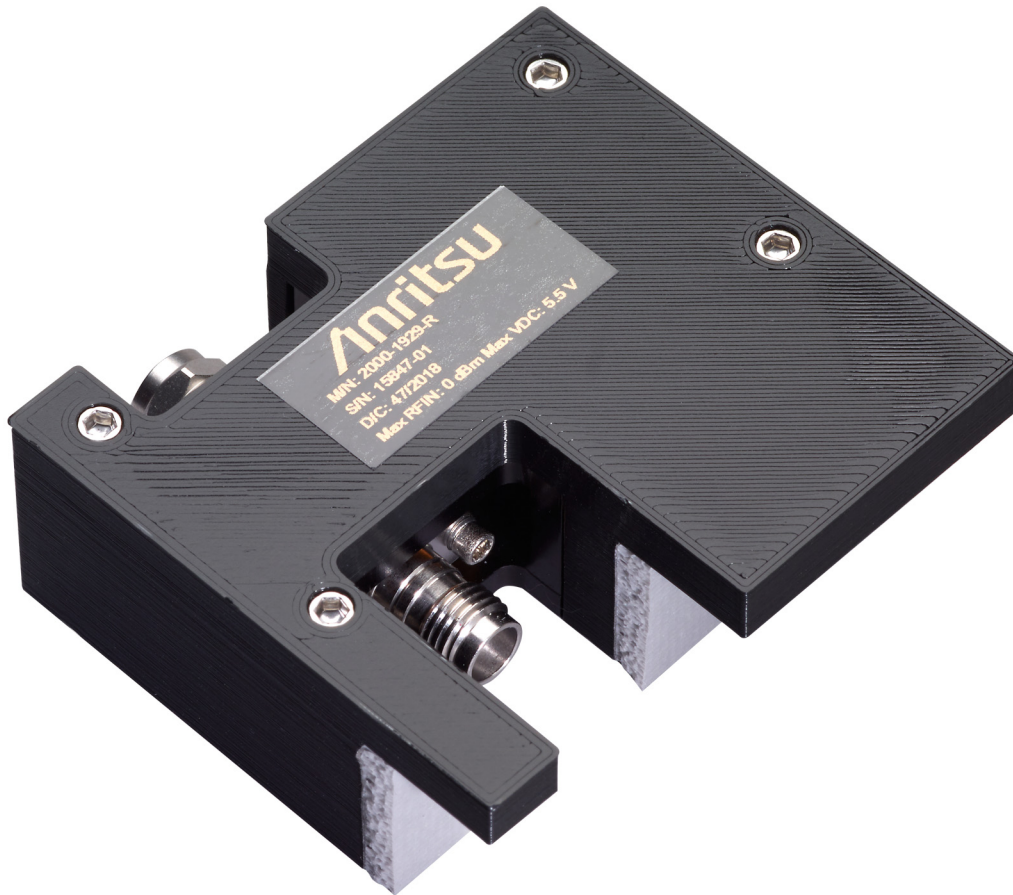
Low Noise Amplifiers

2000-1929-R

18 GHz to 42 GHz, 28 dB Gain, 4 dB Noise Figure, V Connectors

2000-1930-R

18 GHz to 42 GHz, 28 dB Gain, 4 dB Noise Figure, K Connectors



Low Noise Amplifiers

Technical Data

Introduction

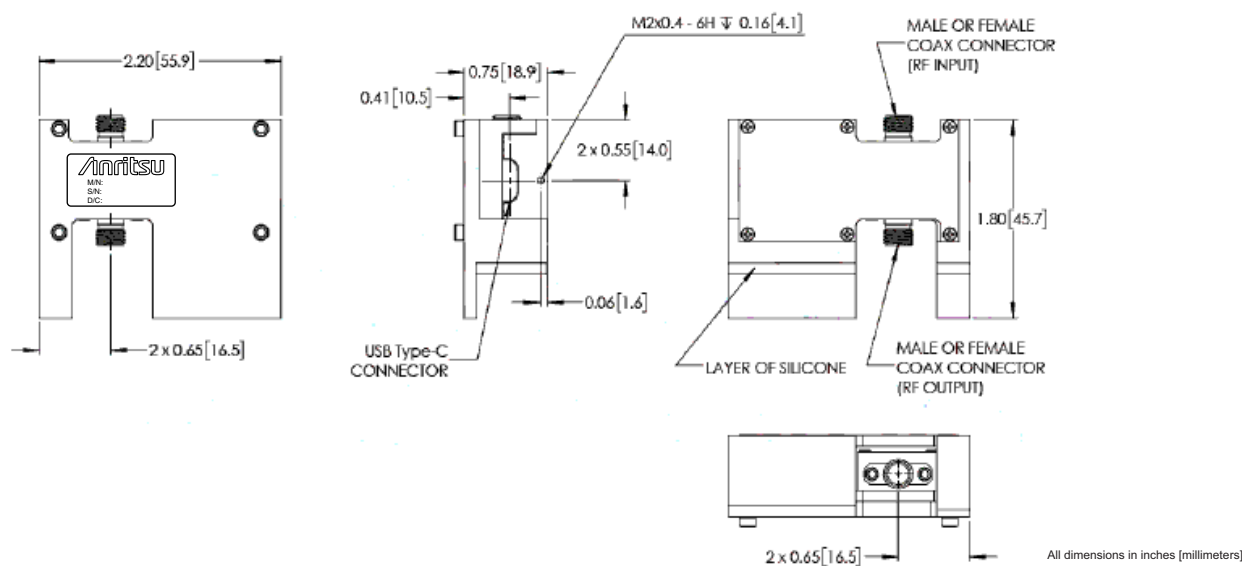
These Anritsu branded low noise amplifiers are a convenient and lightweight solution for field testing of 5G mmWave signals. The low noise amplifiers provide exceptional small signal gain and low noise figure across the frequency range of 18 GHz to 42 GHz. The amplifiers have a built-in regulator and USB Type-C port and can be powered via a battery pack or a laptop. The LNAs are also water resistant.

The amplifiers feature a specially designed bracket for secure mounting to the Anritsu MS2760A Ultraportable Spectrum Analyzer. The port connectors are either K (2.92 mm) or V (2.4 mm), matching the port configuration of the MS2760A, depending on model.

Features

- Specially designed for the MS2760A
- Improved field testing of 5G mmWave signals in 28 GHz and 37 GHz to 39 GHz bands
- Small signal gain of 28 dB
- Nominal noise figure of 4 dB
- USB Type-C powered for convenience
- V Connectors™ are compatible with 2.4 mm connectors
- K Connectors™ are compatible with 2.92 mm, 3.5 mm, and SMA connectors

Dimensions



Typical specifications are not tested and are not warranted. They are generally representative of characteristic performance.

Warranty: 1 year

Technical Data

Low Noise Amplifiers

Available Models

Model	Frequency Range	Connectors
2000-1929-R	18 GHz to 42 GHz	Input: V(m) (2.4 mm(m)) Output: V(f) (2.4 mm(f))
2000-1930-R	18 GHz to 42 GHz	Input: K(m) (2.92 mm(m)) Output: K(f) (2.92 mm(f))

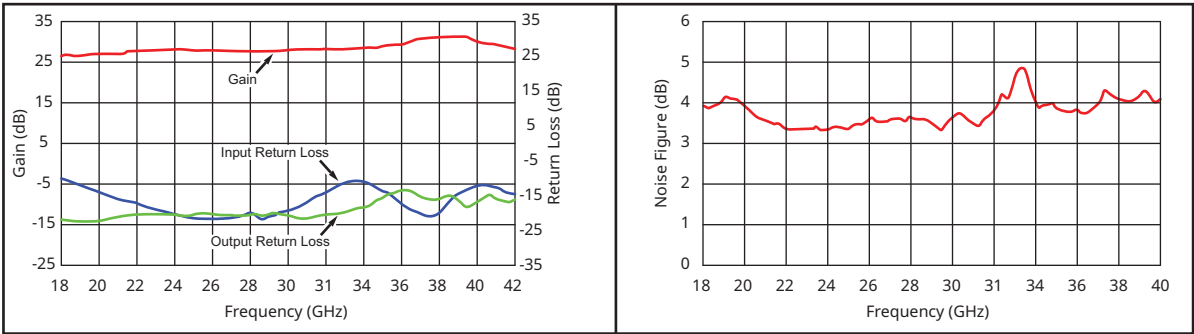
Specifications

(all specifications typical, except where noted)

Gain	28 dB
Noise Figure	4 dB
P1dB	+15 dBm
RF Input Power	-5 dBm, max
Damage RF Input Power	0 dBm, max
Input Return Loss	10 dB
Output Return Loss	10 dB
DC Supply Voltage	USB Type-C, 5 VDC to 5.5 VDC
DC Supply Current	240 mA
Specification Temperature	+25 °C
Operating Temperature	-20 °C to +65 °C
Size (LWH)	2.20 in x 1.80 in x 0.75 in (55.9 mm x 45.7 mm x 19.1 mm)
Weight	2.0 oz (56.7 g)

Typical Performance vs. Frequency

Bias: +5 VDC, 240 mA

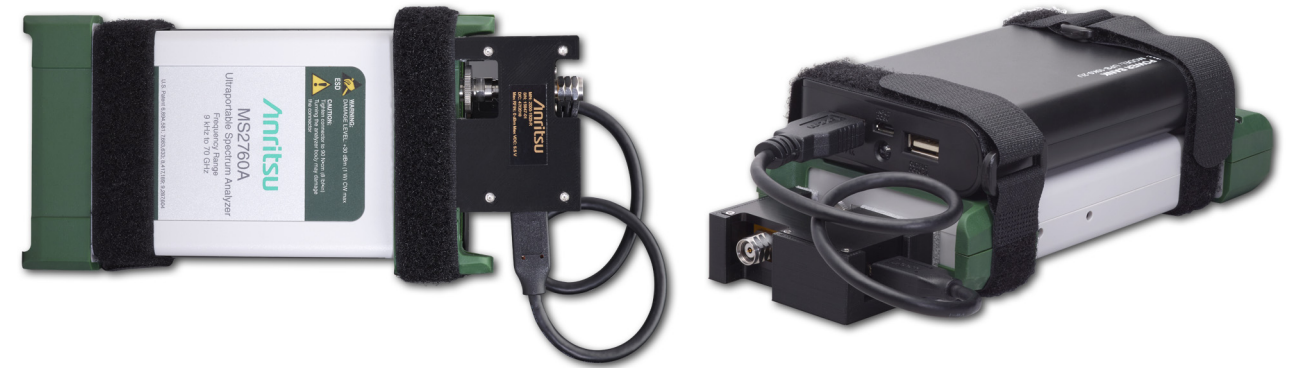


Regulatory Compliance

European Union RoHS Directive 2011/65/EU

Accessories

2000-1933-R LNA battery pack accessory
Includes battery, USB Type-C cable, and two fastening straps



LNA Assembled with MS2760A Spectrum Master and Optional Battery Pack

Training at Anritsu

Anritsu has designed courses to help you stay up to date with technologies important to your job. For available training courses, visit: www.anritsu.com/training



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