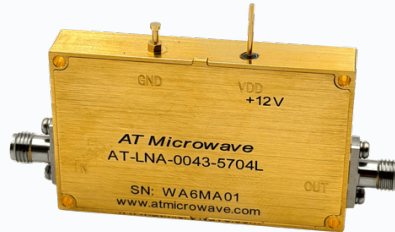


# AT Microwave AT-LNA-0043-5704L – Broadband LNA

Low Noise Amplifier · 100 kHz – 43.5 GHz, Gain 57 dB · Product Datasheet



## KEY FEATURES (TYPICAL, 25 °C)

Parameter	Typical
Frequency Range	100 kHz – 43.5 GHz
Gain	57 dB typ. (55 dB min.)
Gain Flatness	±6 dB
Noise Figure	4.5 dB (1–40 GHz)
P1dB	+10 dBm
Psat	+12 dBm
Supply	+9 V / 300 mA (max. +12 V)

## TECHNICAL SPECIFICATIONS

- **Product Type**  
Broadband Low Noise Amplifier
- **Connectors**  
2.92mm female (2.4mm on request)
- **Housing**  
Copper, gold plated, Epoxy Sealed
- **Weight**  
approx. 100 g
- **Manufacturer**  
AT Microwave
- **Operating Temperature**  
-40 to +85 °C
- **Storage Temperature**  
-55 to +125 °C
- **Abs. Max. Ratings**  
Drain Supply +13 V, RF Input +10 dBm
- **Variant -LCBT**  
Compact Bench-Top with AC/DC adapter
- **Series**  
13 / 27 / 43 / 57 dB Gain versions

## APPLICATIONS

<b>Broadband Communication</b> Wideband links from 100 kHz to 43.5 GHz	<b>Test Equipment</b> Measurement setups and instrumentation	<b>RF over Fiber</b> ROF link amplification
<b>Radar Systems</b> Receive chains in radar front-ends	<b>Series Options</b> 1304L / 2704L / 4304L / 5704L gain variants	<b>Single Supply</b> Simple +9 V integration