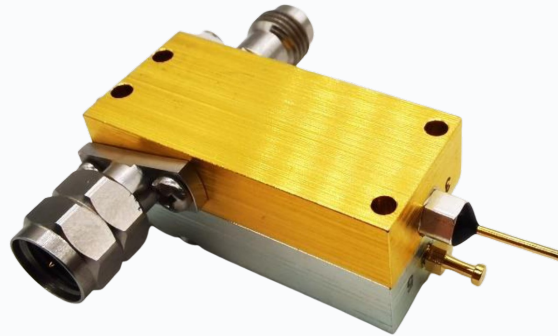


Bias Tee up to 110 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Range**
30 kHz to 110 GHz
- **AT-BTL-0050LC**
30 kHz–50 GHz with 2.4mm connector interface
- **DC Isolation**
Independent biasing of LNA, HPA, and active RF components
- **Insertion Loss**
Low-loss characteristics preserve signal integrity in sensitive receiver chains
- **AT-BTL-0040LC**
30 kHz–40 GHz with 2.92mm connector interface
- **AT-BTL-0070LC**
30 kHz–70 GHz with 1.85mm connector interface
- **Impedance Matching**
Optimized across full frequency band for minimal VSWR

APPLICATIONS

5G and 6G Infrastructure: Bias supplies for remote radio heads, phased array antenna systems, and mmWave transceivers

Satellite Communications (SATCOM): Integration in uplink amplifiers and low-noise receiver front-ends

Defense and Radar Systems: Bias distribution in active electronically scanned arrays (AESA) and threat detection platforms

Test and Measurement: Impedance-matched bias networks for network analyzers and signal generators operating in extended frequency ranges