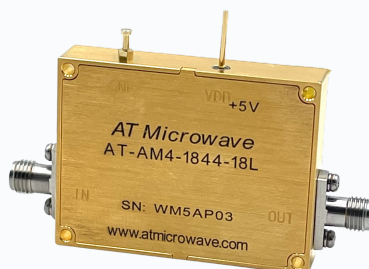


Coaxial x4 Multiplier up to 44 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Conversion**
Input 4.5–11 GHz, multiplication factor x4, output 18–44 GHz
- **Harmonic Rejection**
Greater than 15 dBc suppression of unwanted x3 and x5 harmonics
- **Connectors**
SMA Female (input), 2.92 mm Female (output)
- **Operating Temperature**
–45°C to +85°C
- **Output Power**
+18 dBm typical across full bandwidth
- **Maximum Input Power**
+15 dBm
- **Power Supply**
+5 V to +8 V DC, 280 mA typical current draw
- **Housing**
Gold-plated copper, 80 g weight

APPLICATIONS

5G & 6G Telecommunications:
Direct signal generation for 28
GHz and 39 GHz frequency
bands

Millimeter-Wave Radar:
Automotive and industrial
sensing systems requiring
clean, stable local oscillator
signals

Test & Measurement: Vector
network analyzer and spectrum
analyzer stimulus sources
covering sub-mmWave and low-
mmWave bands

SATCOM & Defense: Secure
communication and electronic
warfare applications requiring
broadband mmWave generation