

# Full Waveguide E-Band Low Noise Amplifier AFB-E30LN-0X



The AFB series low noise amplifiers are constructed with MMIC PHEMT devices and provide state-of-the-art broadband performances.

## Application

- Telecommunication
- Test instrumentation
- Transceiver subassemblies

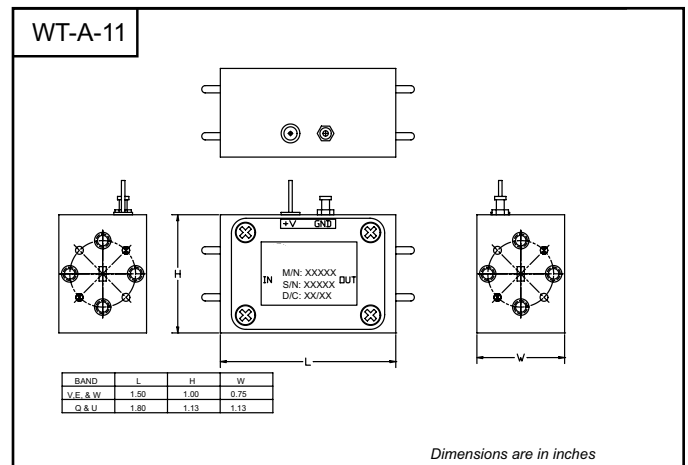
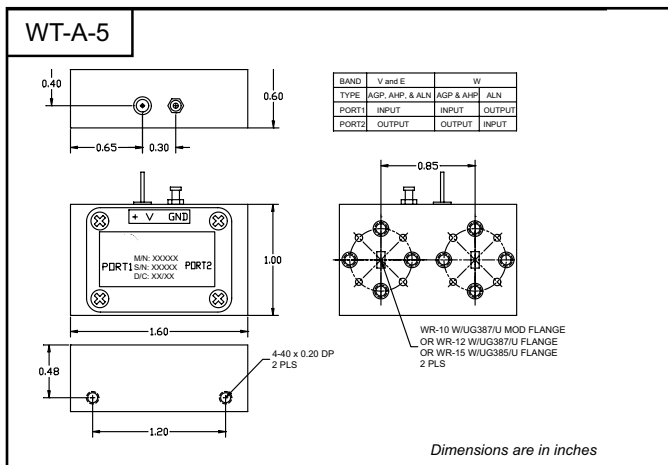
## Specifications

- Frequency: 60.0 - 90.0 GHz
- Gain: 30 dB nominal
- Gain flatness: +/- 3.0 dB
- Noise figure: 6.0 dB (typ) / 8.0 dB (max)
- I/O VSWR: 3:1 (typ)
- DC bias: 8-12 V / 80 mA nominal
- I/O connectors: WR-12 with UG387/U flange
- Operating temperature: -40°C to +50°C

## Features

- Broadband performance across entire E-band
- Ultra-low noise with gain choice
- Single DC power supply/internal regulated sequential biasing
- Compact size and light weight
- Variable I/O interface options

## Outline Drawings



All specifications are subject to change without notice.

For more information, contact our sales team at 310.513.7200 or [rfsales@ducommun.com](mailto:rfsales@ducommun.com)