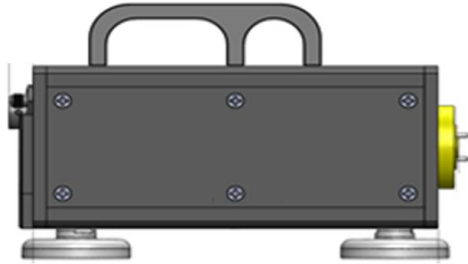


X6 E Band Active Multiplier, Bench-Top

Product Overview



AT-BTAM6-7586-25 is a E band, active x6 frequency multiplier. The multiplier has an input frequency of 13 to 14.3GHz with a typical output +25dBm from 75-86GHz.

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression of -20dBc. The input port is SMA female, and the output is a WR-12 waveguide with a standard UG-387 flange. Other port configurations are available under different requirement.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 71-86GHz
- ✓ Pout: +12dBm typical
- ✓ Input: 11.8-14.4GHz, +5dBm
- ✓ Bench-Top Labs Test

Application

- ✓ E band Communication
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

| Parameter | Min | Typical | Max |
|-----------------------|-------|---------------|---------|
| Input Frequency | 13GHz | | 14.3GHz |
| Input Power | | +5dBm | +10dBm |
| Output Frequency | 75GHz | | 86GHz |
| Output Power | | +25dBm | |
| Harmonica Suppression | | -20dBc | |
| DC Voltage | | +12V/1200mA | |
| Input Port | | SMA Female | |
| Output Port | | WR-12 | |
| Dimension | | 160x130x75 mm | |
| Spec Temp | | 25C | |



Mechanical Information:

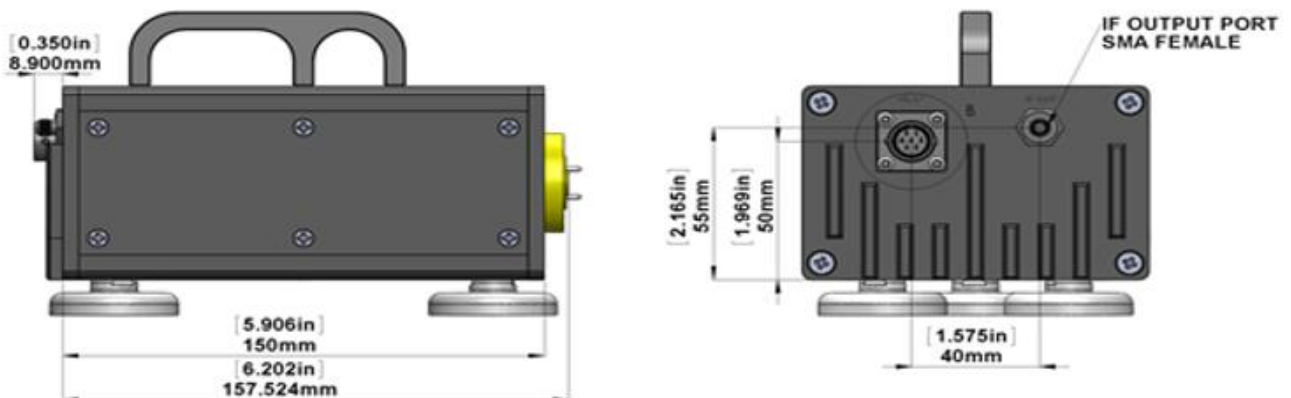
| Parameter | Value |
|---------------------|--|
| RF Input | SMA Female |
| RF Output | WR-12 Waveguide with Flange |
| DC Bias | +12V Supply, AC to DC Power Converter included |
| DC Bias Switch | ON-OFF switch with light indicator |
| Storage Temperature | -65 to +150C |

Absolute Maximum Ratings Table

| Parameter | Value |
|-----------------------|--------------|
| AC Supply | +240V |
| RF Input Power | +10dBm |
| Operating Temperature | 0 to 50 C |
| Storage Temperature | -65 to +150C |

Dimension:

The dimension maybe changed without notice.



Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.

