

AT-BTAM6-75110-26

Bench-Top W Band X6 Frequency Extender

W Band (75-110GHz) Active Multiplier High Power +26dBm, WR-10



Product Overview

AT-BTAM6-75110-25 is full W band, active x6 frequency multiplier. The multiplier has an input frequency of 12.5-18.33 GHz with a typical output +26dBm from 75-110GHz. W Band isolator is an optional choice to improve power protection and power stability

The integrated input and output buffers deliver high output power at a low drive level. The multiplier also has a typical harmonic suppression. The input port is SMA female, and the output is a WR-10 waveguide with a standard UG-387-M flange. More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 75-110GHz
- ✓ Pout: +26dBm typical
- ✓ Input: 12.5-18.3GHz, +3dBm
- ✓ Bench-Top Labs Test

Application

- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System
- ✓ RCS Test

Key Features

| Parameter | Min | Typical | Max |
|--------------------|---------|----------|----------|
| Input Frequency | 12.5GHz | | 18.33GHz |
| Input Power | +0 | +3dBm | +10 |
| Multiplier Factor | | X6 | |
| Output Frequency | 75GHz | | 110GHz |
| Output Power | +24dBm | +26 dBm | |
| Input Return Loss | | -15dB | |
| Output Return Loss | | -10dB | |
| Power Supply | 90V | 110-220V | 240V |
| Temp Spec | | 25C | |



Shanghai AT Microwave Limited

Tel:021-6229 1233 sales@atmicrowave.com

www.atmicrowave.com





AT-BTAM6-75110-26

Bench-Top W Band X6 Frequency Extender

Mechanical Information:

| Parameter | Value |
|----------------|--|
| IF Input Port | SMA Female |
| RF Output Port | WR-10 |
| Power Supply | 90-240V AC to DC Power Converter included |
| DC Bias Switch | ON-OFF switch with light indicator |
| Weight | 2.5KG |
| Dimension | See outline |

Absolute Maximum Ratings Table

| Parameter | Value |
|-----------------------|--------------|
| Power Supply | +90 to 260V |
| IF Input Power | +15dBm |
| Operating Temperature | 0 to +50C |
| Storage Temperature | -65 to +150C |

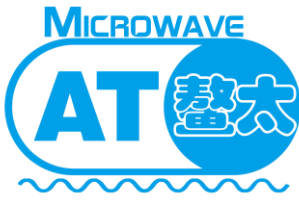
Notes:

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.



Shanghai AT Microwave Limited
Tel:021-6229 1233 sales@atmicrowave.com
www.atmicrowave.com





AT-BTAM6-75110-26

Bench-Top W Band X6 Frequency Extender

Dimension(mm)

The bottom of the bench-top product is with four support foot pads in default.
Mounting bracket option is available according to request.

