



AT-BTAM8-110170

Bench-Top D Band X8 Frequency Extender

D Band (110-170GHz) Active Multiplier X8, Bench-top Test Equipment, WR-06



Product Overview

AT-BTAM8-110170 is full D band, active x12 frequency multiplier. The multiplier has an input frequency of 13.75 to 21.25GHz with a typical output -3dBm from 110-170GHz. The input port is SMA female, and the output is a WR-06 waveguide with a standard UG/387-M flange.

Please note that there is no isolator at output Port in default. Isolator can be added by -ISO option with extra insertion loss. More information, please contact with sales@atmicrowave.com

Advantages

- ✓ Frequency: 110-170GHz
- ✓ Pout: -3dBm typical
- ✓ Input: 13.175-21.25GHz, +3dBm
- ✓ Bench-Top Labs Test

Application

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

Key Features

Parameter	Min	Typical	Max
Input Frequency	13.75GHz		21.25GHz
Input Power	+0dBm	+3dBm	+10dBm
Multiplier Factor		X8	
Output Frequency	110GHz		170GHz
Output Power	-5dBm -8dBm	110-160GHz: +0 dBm 160-170GHz: -3 dBm	
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Power Supply		+12V/0.45A	
Temp Spec		25C	



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





AT-BTAM8-110170

Bench-Top D Band X8 Frequency Extender

Mechanical Information:

Parameter	Value
IF Input Port	SMA Female
RF Output Port	WR-06
Power Supply	90V-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



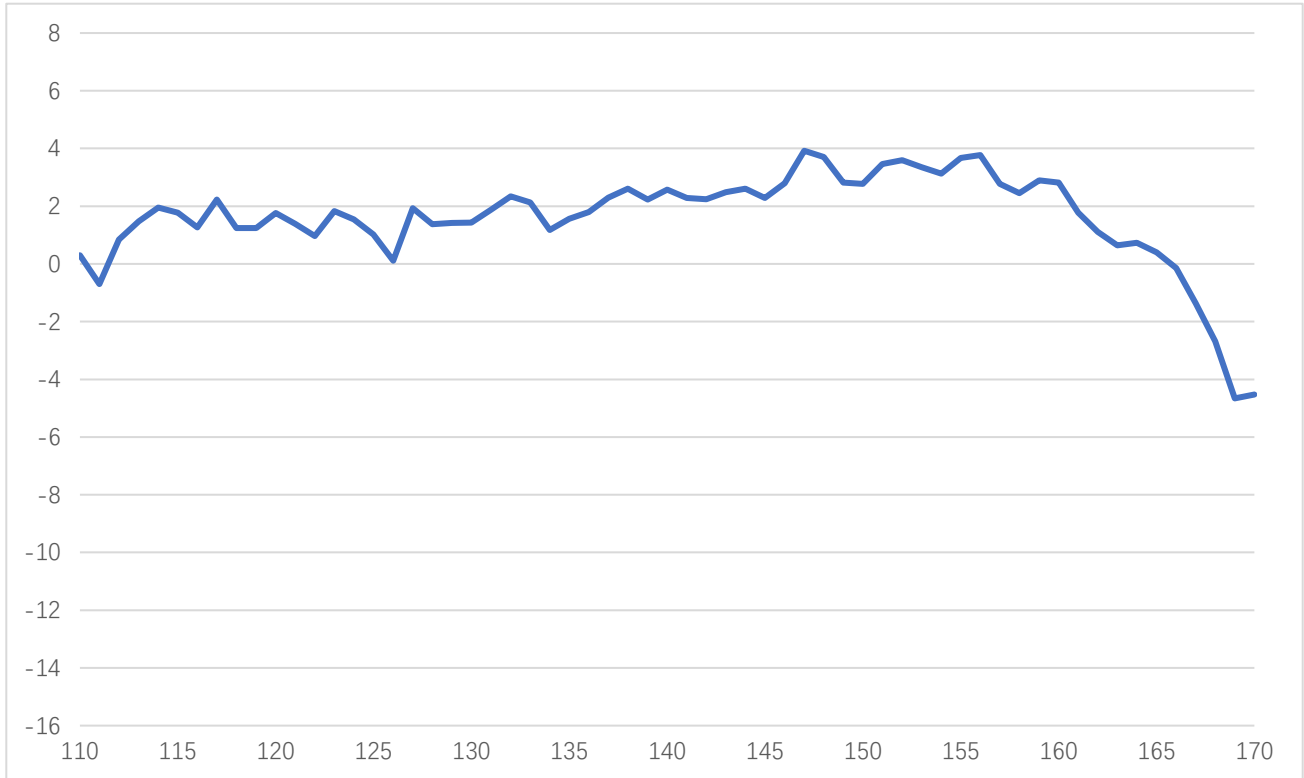


AT-BTAM8-110170

Bench-Top D Band X8 Frequency Extender

Test Data (25C)

Please note that test curves will vary slightly from unit to unit.



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



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.

