



AT-BTLNA-3350-3803T

Q Band Low Noise Amplifier

33-50GHz Broadband Low Noise Amplifier

Gain=38dB, NF=3dB, Bench-Top WR-22



Product Overview

AT-LNA-3350-3825T is low noise amplifier with 38dB gain in the frequency of 33-50GHz. The AC power requirement is +90V to 240V. The module is with a standard WR-22 waveguide.

The LNA has high gain, high linearity, low input/output return loss and flat gain response.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 33-50GHz
- ✓ Small signal gain: 38dB
- ✓ NF 3dB
- ✓ Single Power Supply

Application

- ✓ Q Band Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency		33-50GHz	
Gain	35dB	38dB	
NF		3dB	3.9dB
P1		+13Bm	
Power Supply	90V	220V	+240V
Power Consumption		10W	
Input Return Loss		-8dB	
Output Return Loss		-12dB	
Spec Temp		25C	





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Mechanical Information

Item	Description
Input Port	WR-22
Output Port	WR-22
Case Material	Aluminum
Finish	Painting
Weight	1.6KG
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+10dBm
Operating Temperature	0 to +50C
Storage Temperature	-45 to +85C

Caution:

Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required or the amplifier may be damaged.

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.

