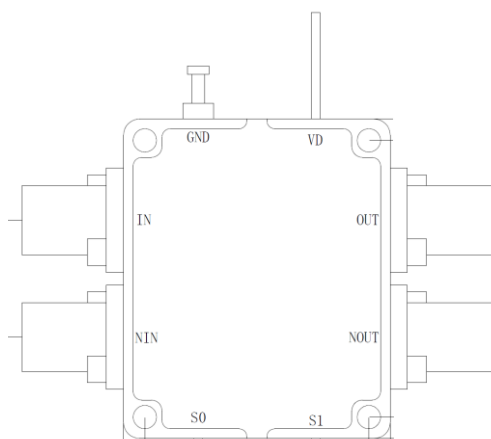


Programmable Frequency Divider, 1/2/4/8

2022-4-1

Frequency 0.5-30GHz, 2.92mm Female



Description:

AT-FDN-30 is programmable divide-by-N=1/2/4/8 frequency divider with 2.92mm female input connector. This device operates from 500MHz to 30GHz with a single 5V supply.

The module is with differential input and output. DC block is integrated for all port. It can also be used as single input and output by connection 50Ohms termination on the NIN/NOUT ports.

More information, visit www.atmicrowave.com

Feature

- ✓ Wideband coverage
- ✓ Low SSB phase noise
- ✓ Low current
- ✓ Small Size

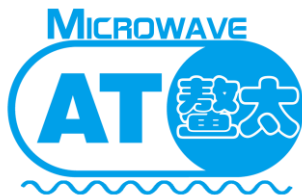
Application

- ✓ 5G Systems
- ✓ Radar System
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)

Electronical Specifications:

Parameter	Min	Typical	Max
Input Frequency Range/F0		0.5-30GHz	
Minimum Input Frequency (Square wave Input)		0.2GHz	
Input Power	-10dBm	0dBm	+8dBm
Divider Rate		N=1/2/4/8	
Output Power	-6dBm	-3dBm	
SSB Phase Noise @100kHz		-152dBc/Hz	
Vdd		+5V	+8V
Current		35mA	
Spec Temp		25C	





AT-FDN-30

0.5-30GHz Frequency Divider by1/2/4/8

Mechanical Information

Item	Description
Input Port	2.92mm Female
Output Port	SMA Female
Case Material	Copper
Finish	Gold Plated
Weight	50g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Power Supply	+13V
RF Power Handling	+15dBm
Operating Temperature	-20 to 70C
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.

True Table

S1	S0	Divider
0	0	1
0	1	2
1	0	4
1	1	8



Dimension: (mm)

