

30kHz-110GHz DC Block



Product Overview

AT-DC-10M10F is a broadband DC Block from 30kHz to 110GHz. The insertion loss is -1.5 dB with -10dB return loss performance

The RF1 and RF2 are 1.0mm Female and Male respectively, other connector is available according to request. Input and Output port can be changed according to test need.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 30kHz-110GHz
- ✓ Insertion Loss: -1.5dB
- ✓ Max Voltage: 6.5V
- ✓ Power Handling: +27dBm

Application

- ✓ 5G Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System
- ✓ Optical Application

Key Features

Parameter	Min	Typical	Max
Frequency		30kHz-110GHz	
Insertion Loss		-1.5dB	-3.5dB
Return Loss	-8	-10dB	
Max Voltage			+6.5V
Power Handling			+23dBm

Ordering

Part Number	Description
AT-DC-10M10F (Default)	RF1 1.0mm Female, RF2 1.0mm Male
AT-DC-10F10F	RF1 1.0mm Female, RF2 1.0mm Female
AT-DC-10M10M	RF1 1.0mm Male, RF2 1.0mm Male





AT-DC-10M10F

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Mechanical Information

Item	Description
RF1 Port	1.0mm Female
RF2 Port	1.0mm Male
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	20g
Size:	29x14x5 mm

Absolute Maximum Ratings Table

Parameter	Value
Voltage	+6.5V
RF RF1 Power	+23 dBm
Operating Temperature	-40 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.



Dimension (mm)

