

175-200GHz Tx/Rx Converter

Integrated with x16 AMC Chain



Description:

AT-16MIX-175200SIF is up and down mixer covering 175-200GHz with WR-05 waveguide, LO port is integrated with X16 active frequency multiplier chain. IF Range is DC-12GHz.

AT Microwave also provide band pass filter , Low noise amplifier and Power amplifiers.

For more information, please visit www.atmicrowave.com

Feature

- ✓ RF: 175-200GHz
- ✓ LO: 12.5-13.75GHz
- ✓ IF: DC-12GHz
- ✓ Low LO power requirement

Application

- ✓ High Speed Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Electronical Specifications:

Parameter	Min	Typical	Max
RF Frequency Range		175-200GHz	
LO Chain Multiplier		X16	
LO Frequency Range		10.9-12.5GHz	
LO Driver	+0dBm	+3dBm	+8dBm
IF Range		DC-12GHz	
Conversion Loss (IF=100MHz)		-17dB	-22dB
IF Input P1dB		0dBm	
RF Input P1dB		-5dBm	
Power Supply		+5V	+8V
Current		0.15A	
Spec Temp		25C	





AT-16MIX-175200SIF

175-200GHz G Band Tx/Rx Converter

Mechanical Information

Item	Description
RF Port	WR-05 UG-387/U-M Flange with anti-cocking Flange
LO Port	SMA Female
IF Port	SMA Female
Case Material	Copper
Finish	Gold Plated
Weight	150g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
IF Port Power	+7dBm
RF Port Power	+5dBm
LO Port 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.



Dimension (mm)

