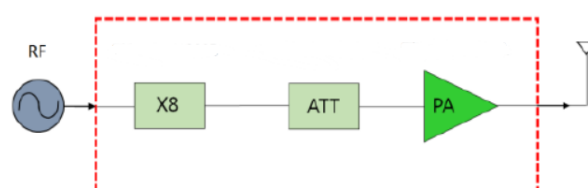


94GHz 发射模块

94GHz Transmitter Module

Product Features

- Frequency: 90-98GHz
- Output power: 20dBm
- DC power supply: 5V@410mA
- Built-in voltage regulator circuit
- For 6G/7G Applications



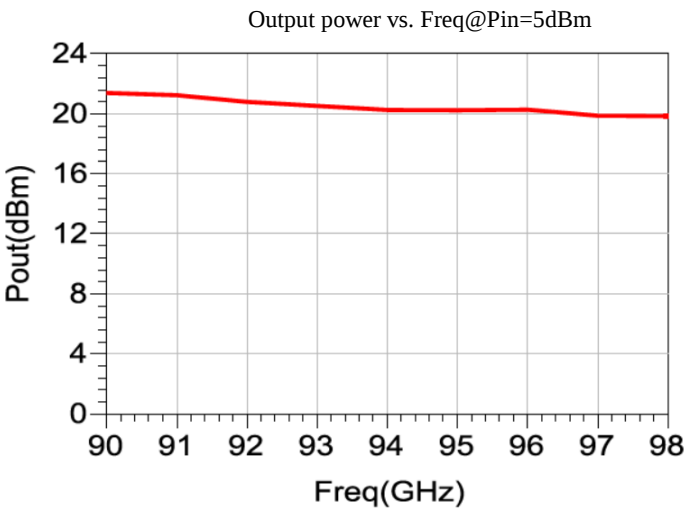
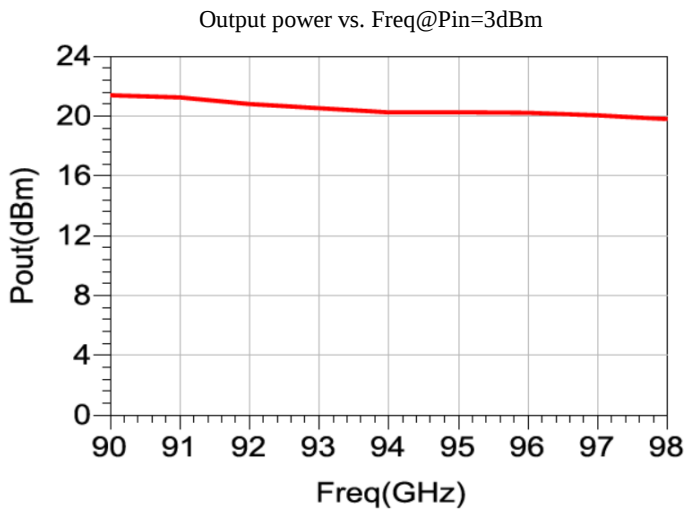
Electrical Specs(V=5V, I=410mA, TA=+25℃):

Parameter	Minimum	Typical	Maximum
Output Frequency(GHz)	90		98
LO Frequency(GHz)	11.25		12.25
Max. Output Power(dBm)		20	
LO Power(dBm)	3		7
DC Voltage(V)		5	7
DC Supply Current(mA)		410	520
Operating Temperature(℃)	-20	+25	+50

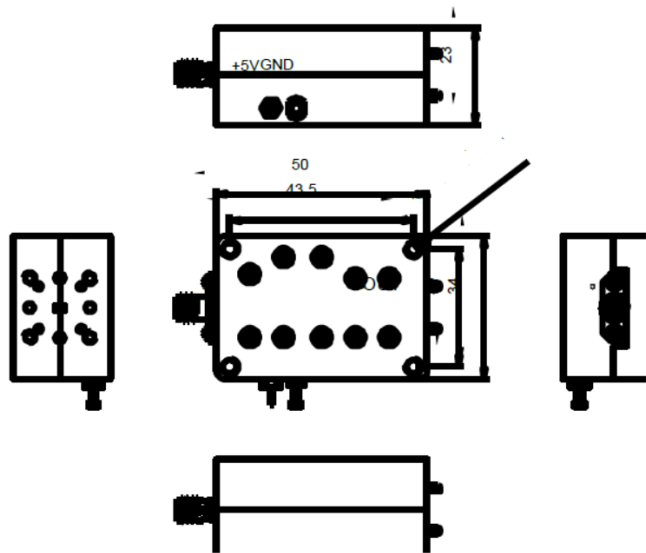
Mechanical Specs:

Item	Specification
Size (W×L×H)	50 mm×34 mm×23mm

Measured Performance (TA=+25°C, V=7V) :



Mechanical Outline:



Symbol	Function
RF	RF port, WR10 Waveguide with W/UG-387/U-M
LO	LO port, 2.92mm-K
IF	IF port, 2.92mm-K
+7V	DC port
GND	Ground

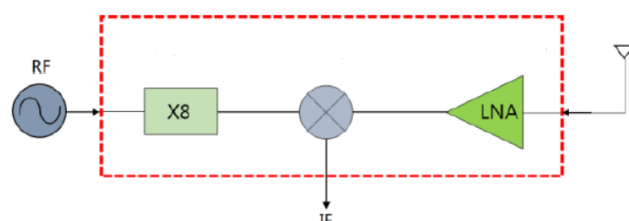
- Notes:
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
 2. This data is the typical performance for the reference.

94GHz 下变频接收模块

94GHz Down-Converters Receiver Module

Product Features

- Frequency: 92-96GHz
- NF: 4dB
- Downconverter Gain: 13dB
- DC power supply: 5V@80mA
- Built-in voltage regulator circuit
- For 6G/7G Applications



Electrical Specs(V=5V, I=80mA, TA=+25℃):

Parameter	Minimum	Typical	Maximum
Output Frequency(GHz)	92		96
LO Frequency(GHz)	11.5		12
IF Frequency(GHz)	DC		4
Downconverter Gain(dB)		13	
Noise Figure (dB)		4	4.5
LO Power(dBm)	3		5
VSWR@ RF Port		1.9	
VSWR @ IF Port		1.2	
DC Voltage(V)		5	7
DC Supply Current(mA)		80	140
Operating Temperature(℃)	-20	+25	+50

Mechanical Specs:

Item	Specification
Size (W×L×H)	50 mm×34 mm×23mm

