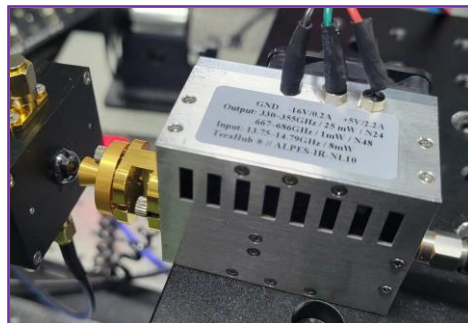


670GHz 发射源模块

670GHz Source Module

Product Features

- Frequency: 667-686GHz
- Output power: 1mW(typ.)
- Input power: 8mW
- DC bias: -12V, 5V



Electrical Specs(TA=+25℃):

Parameter	Minimum	Typical	Maximum
Output Frequency(GHz)	667		686
Output Power(@345GHz, mW)	0.2	1	1.5
Input Frequency(GHz)	13.75	14.17	14.58
Input Power(mW)	4	8	12
DC1 Voltage(V) / Current(A)		-12/0.01	0
DC2 Voltage(V)/ Current(A)		5/1.5	
DC3 Voltage(V)		-1	
Operating Temperature(℃)	-30	+25	+85

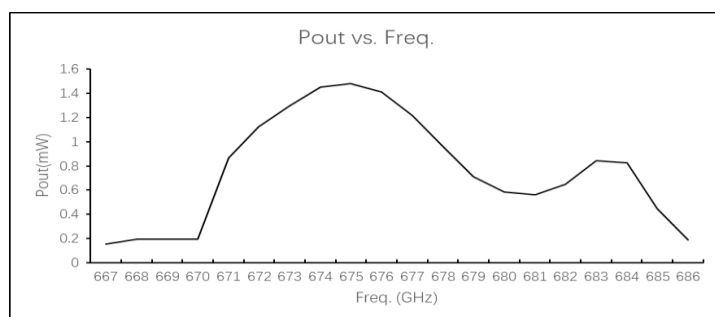
Note: 1) Before powering on, please ground the device through the GND port;

2) Turn-on sequence: turn on -12V first, then turn on 5V, and finally input the RF signal.

Mechanical Specs:

Item	Specification
Input (RF_in)	2.92mm(F)
Output(RF_out)	WR-1.9 Waveguide with W/UG-387/U-M Flange
Size (W×L×H)	55mm*43mm*40mm
Weight	300g

Measured Performance (TA=+25℃) :



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.