

75-110GHz 信号源扩展模块

75-110GHz Signal Source Expansion Module

Product Features

- Frequency: 75-110GHz
- Output power: -16~18dBm@95GHz adjustable
- Electronic Attenuator Integrated
- Special Version for PA/LNA measurement
- High Power version available 600mW



Electrical Specs(TA=+25℃, Pwr_LO=6dBm, Vg=-0.6V):

Parameter	Minimum	Typical	Maximum
Output Frequency(GHz)	75		110
Output Power(@95GHz, Adjustable, dBm)	-16		18
Input Frequency(GHz)	12.5		18.33
Input Power(dBm)	-2	0	1
Input S11(dB)	1.3	1.8	2.3
Control Voltage(V)	-4		0
DC Voltage(V)		+15	
DC Supply Current(mA)			300
Operating Temperature(℃)	+20	+25	+30

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

2)Before testing, please power on and warm up for 0.5 hours.

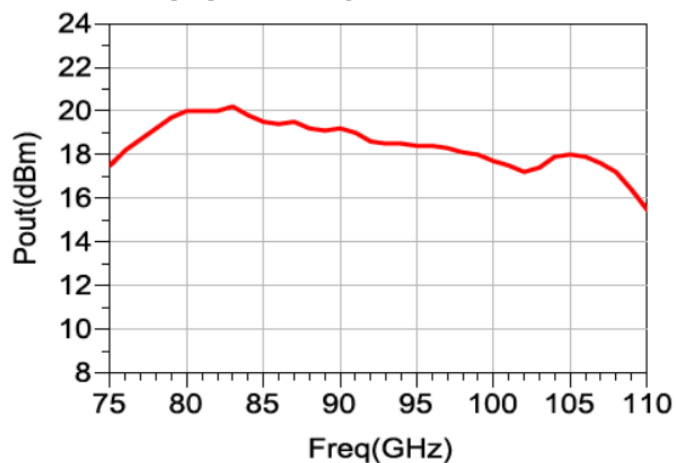
Mechanical Specs:

Item	Specification
Input (RF_in)	2.92mm(F)
Output(RF_out)	WR-10 Waveguide with W/UG-387/U-M Flange
Power Control Interface(VCA)	BNC(F), 0V-minimum attenuation, -4V-maximum attenuation
DC power interface(DC_Input)	Power adapter: 100-240VAC, 3A, 50-60Hz
Size (W×L×H)	160 mm×127 mm×74.6 mm

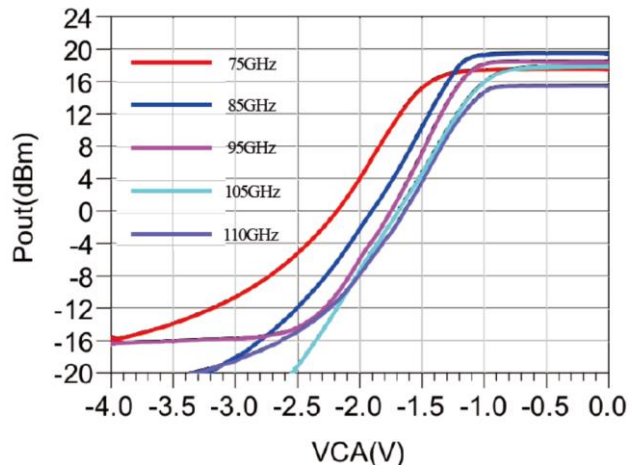
Weight	1.8Kg
--------	-------

Measured Performance (TA=+25°C) :

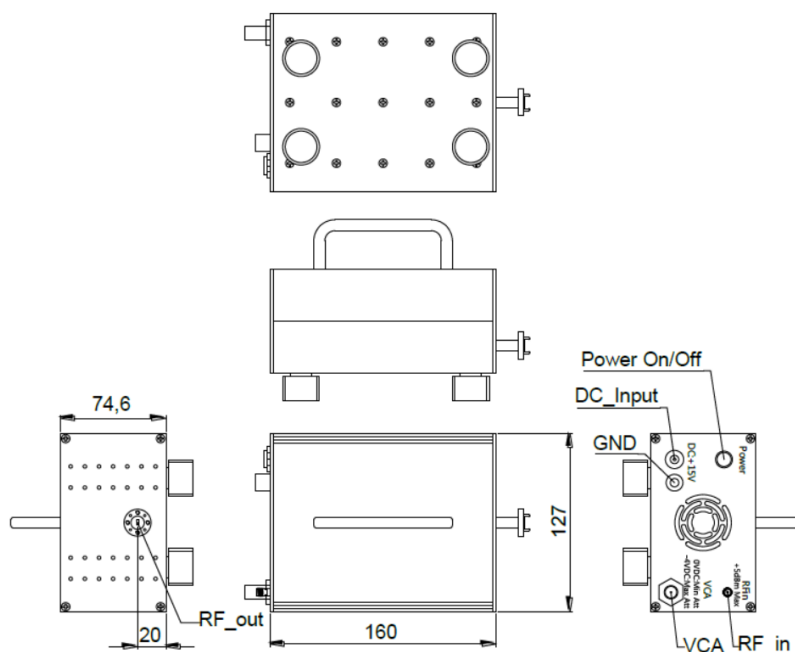
Output power vs. Freq. @Pin=0dBm,VCA=0V



Output Power vs. Control Voltage@Pin=0dBm



Mechanical Outline:



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.