

THz VNA Extension Module

Product Features

- Full Band: 110-170GHz
- Output Power:16dBm typical
- System Dynamic Range:118dB
- Compatible with VDI/R&S/Keysight / Ceyear VNA
- Made in China



Electrical Specs:

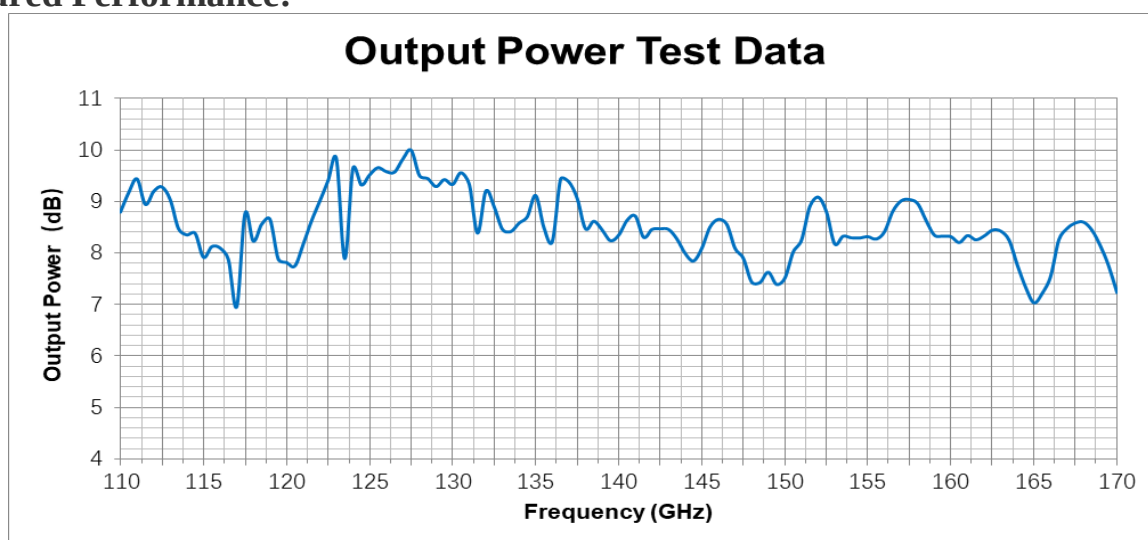
Parameter	Minimum	Typical	Maximum
System Operating Frequency, GHz	110		170
Test Port Output Power, dBm		16	
Output Harmonics/Spurious suppression, dBc	20	30	
System Dynamic Range, dB		120	
RF multiplication factor		12	
Reflection & Transmission Tracking, Magnitude, dB		±0.15 dB	
Reflection & Transmission Tracking, Phase, deg		±1.5	
Residual Directivity (with system error correction), dB		30	
Load Match (with system error correction) , dB		35	
Raw Test Port Match, dB	14.8		
IF Frequency Range, MHz	5	279	3000
Test Port Input Power @ 0.1 dB compress, dBm	10		
RF/LO System Input Frequency, GHz	9.16		14.17
RF/LO System Input Power, dBm	3	7	10
Storage Temperature, °C	0		+50
Operating Temperature, °C	10		+40

Absolute maximum ratings	Maximum
RF input power, dBm	+20
LO System Input Power, dBm	+20

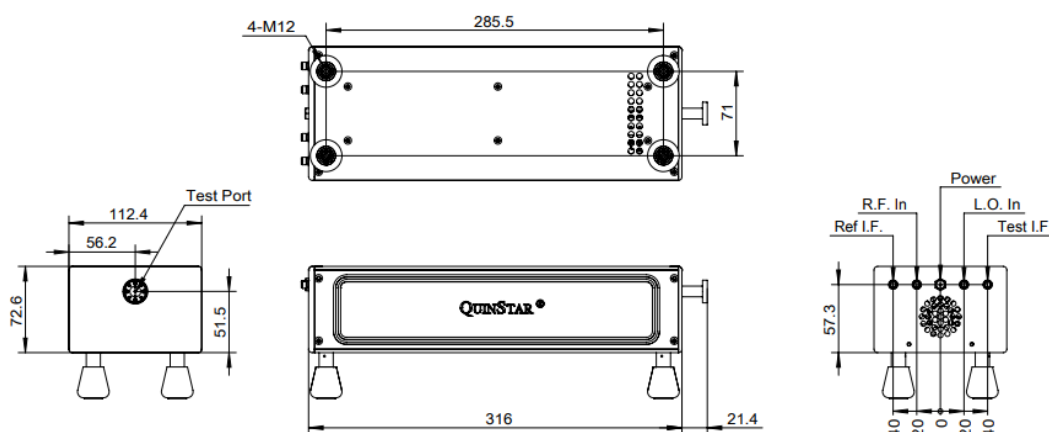
Mechanical Specs:

Item	Specification
Test Port Interface	WR-6.5 Waveguide with W/UG-387/U-M Flange
RF System Input Interface	SMA-Female
LO System Input Interface	SMA-Female
Test IF System Input Interface	SMA-Female
Ref IF System Input Interface	SMA-Female
Power Supply	220V,50Hz
Weight	3kg
Size (L×W×H)	316mm×112.4mm×72.6mm

Measured Performance:



Mechanical Outline:



Notes:

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