

V-Band Full Waveguide Band Phase Noise Analyzer Down-Converter 50-75GHz /WR-15/

Model: TLPANA-050075-06-15

TLPANA-050075-06-15 is a V-Band phase noise analyzer (PNA) down-converter that converts millimeterwave(mmW) signals from a frequency range of 50 to 75GHz to the baseband at 10 MHz to 1.6 GHz.

Features:

- Ultra Wide Band: 50-75GHz
- Unconditional stability

Applications:

- Transmit Extension
- Material characterisation

电气特性 Electrical Characteristics:

Parameter	Min	Typ	Max	Units
射频输入频率范围 RF Input Frequency range	50		75	GHz
本振输入频率 LO Input Frequency	8.33		12.5	GHz
本振输入功率 LO Input Power		15		dBm
本振倍频系数 LO Multiplication Factor	6			
中频输出频率范围 IF Output Frequency range	0.01		1.6	GHz
混频器变频损耗 Mixer Conversion Loss		8		dB
谐波抑制 Harmonic Suppression		-20		dBc
输入P1dB Input P1dB		+10		dBm
供电电压 Power Supply		220		V

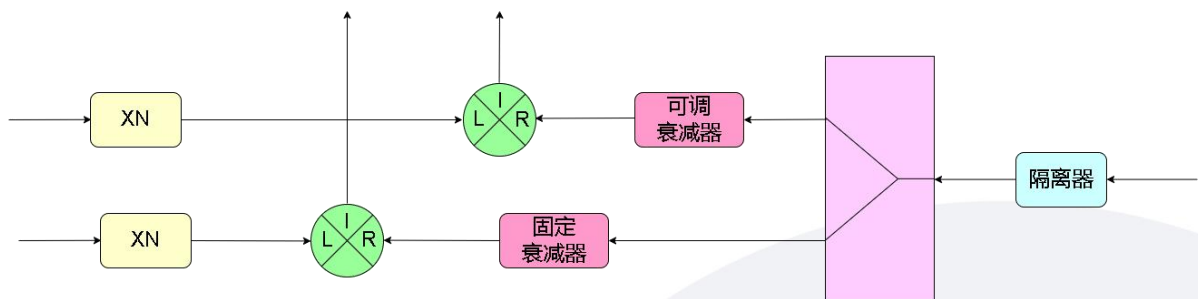
机械特性 Mechanical Specifications:

描述 Description	参数 Parameter	单位 Units
射频输入接口 RF Input Connector	WR-15 UG-383/U	
本振输入接口 LO Input Connector	SMA Female	
中频输出接口 IF Output Connector	SMA Female	
供电引脚 Power Supply Pin	FGG 0B 4 Core	
材质 Material	Al	
表面处理 Finish	Gray spray paint	

绝对最大值 Absolute Maximum Ratings :

参数 Parameter	指标 Value	单位 Units
射频输入最大功率 RF Input Power	+20	dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V	
供电偏置电压 Supply Bias AC Voltage	240	V

原理框图 Block Diagrams:



环境和物理特性 Envirionmental And Physical Characteristics:

参数 Parameter	Min	Typ	Max	Units
操作温度 Operating Temperature	-10		+50	°C
存储温度 Storage Temperature	-50		+80	°C
相对湿度 Relative humidit	95			%
海拔 Altitude	10,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave, 3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 Revision
TLPANA-050075-06-15	V-Band Full Waveguide Band Phase Noise Analyzer Down-Converter	Rev.1.1

随货配件 Components Included:

标准型号 Part Number	描述 Description	数量 Quantity
TLACTDC-22012	AC-to-DC Power Adapter	1 PCS

Notes:

1. Dimensions and specifications may be changed without prior notice.
2. Standard Warranty: three years.