

## 220-330 GHz,WR-03

### Feature:

- Ultra Wide Band: 220-330 GHz
- Port Output Power (No Attenuation): -8 dBm Typ
- Dynamic Range @ 10 Hz BW: 100dB Typ
- Unconditional stability

### 电气特性 Electrical Specifications :

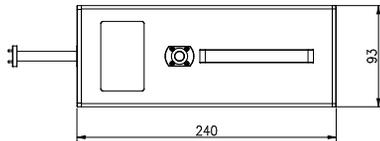
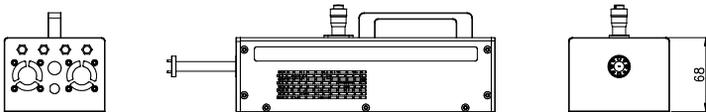
参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	220		330	GHz
输出功率 Port Output Power		-8		dBm
输入功率 Input Power (Damage)			20	dBm
输出功率衰减Output Power Attenuation (Option:Variable attenuators)	0		30	dB
动态范围Dynamic Range @ 10 Hz BW		100		dB
方向性 Directivity		20		dB
射频输入频率RF Input Frequency	12.22		18.33	GHz
射频输入功率RF Input Power	+3	+5	+7	dBm
射频倍频次数RF Multiplication Factor		18		
本振输入频率LO Input Frequency	12.22		18.33	GHz
本振输入功率LO Input Power	+3	+5	+7	dBm
本振倍频次数LO Multiplication Factor		18		
中频频率范围IF Frequency Range	10		1000	MHz
幅度稳定度Stability @ 300 Hz BW		±0.3		dB
相位稳定度Phase Stability @ 300 Hz BW		6		°

### 机械特性 Mechanical Specifications :

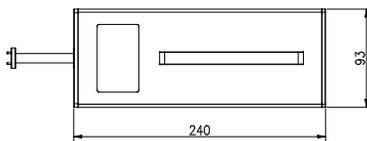
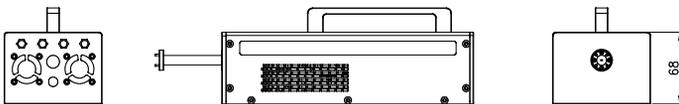
参数Parameter	指标 Value
射频输入接口 RF Input Connector	SMA Female
本振输入接口 LO Input Connector	SMA Female
中频输出接口 IF Input Connector	SMA Female

参数Parameter	指标 Value
供电偏电压 Supply Bias Voltage	240V
输入功率 Input Power	20dBm

## 外形尺寸 Outline Drawing:



TLVE-220330-N8-A



TLVE-220330-N8

## 原理框图 Block Diagrams:

参数Parameter	Min.	Typ.	Max.	单位 Units
操作温度 Operating Temperature	0		+50	°C
存储温度 Non-operating Temperature	-45		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			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
TLVE-220330-N8	VNA Frequency Extender, 220-330 GHz, Output Power:-8dBm Typ., Dynamic Range:100 dB Typ., Magnitude Stability @ 300 Hz BW:±0.3dB,Phase Stability @ 300 Hz BW:6°	Rev.1.1
TLVE-220330-N8-A	VNA Frequency Extender, 220-330 GHz, Output Power:-8dBm Typ., Dynamic Range:100 dB Typ., Magnitude Stability @ 300 Hz BW:±0.3dB,Phase Stability @ 300 Hz BW:6°,with Micrometer driven variable attenuators	Rev.1.1

### 随货配件 Components Included :

标准型号 Part Number	描述 Description	数量 Quantity
S1-SMAMSMAM-1.2m	COAXIAL CABLE ASSEMBLY	4 PCS
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.