

**Model: TLSE-075110-1030-10**
**W-Band, Frequency Extender  
 X6, 75-110GHz, Output Power: 10 dBm**
**Feature:**

- Output Frequency: 75-110GHz
- Output Power: 10dBm Typ
- Low power consumption

**电气特性 Electrical Specifications:**

参数 Parameter	Min	Typ	Max	单位 Units
输出频率 Output Frequency	75		110	GHz
输出功率 Output Power		10		dBm
动态范围 Dynamic Range (选机械衰减器 Optional mechanical Attenuator)		30		dB
输入频率 Input Frequency	12.5		18.33	GHz
输入功率 Input Power		5	10	dBm
倍频次数 Multiply Factor		6		
谐波抑制 Harmonic Suppression		-20		dBc
输入驻波 Input VSWR		2		:1
输出驻波 Output VSWR		2		:1
供电电压 DC Voltage		12		V
供电电流 DC Supply Current		150		mA

**机械特性 Mechanical Specifications:**

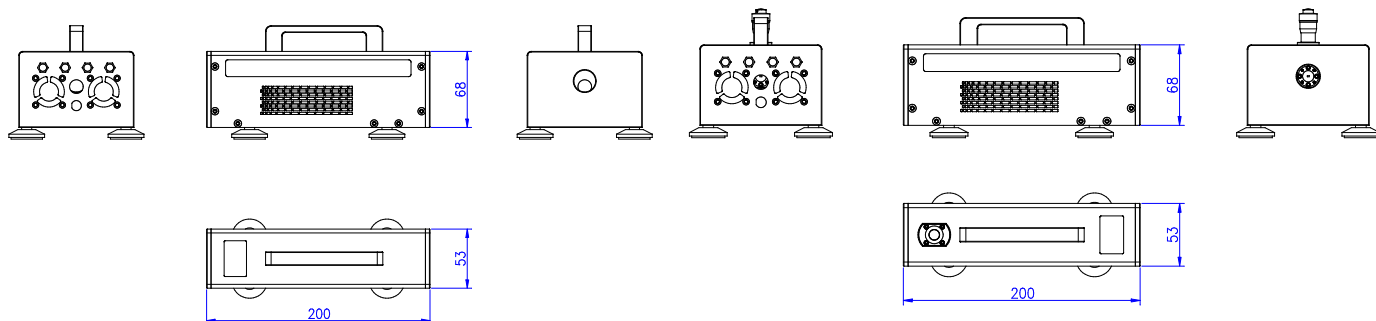
参数 Parameter	指标 Value	单位 Units
输出接口 Output Connector	WR-10/UG-387/U	
输入接口 Input Connector	SMA Female	
交流偏置 AC Bias	Power adapter: 100-240VAC	
尺寸 Size	200*53*68	mm

**绝对最大值 Absolute Maximum Ratings:**

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+240 V AC
输入功率 RF INPUT POWER	+10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

## 外形尺寸 Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

## 温度环境 Environmental Conditions:

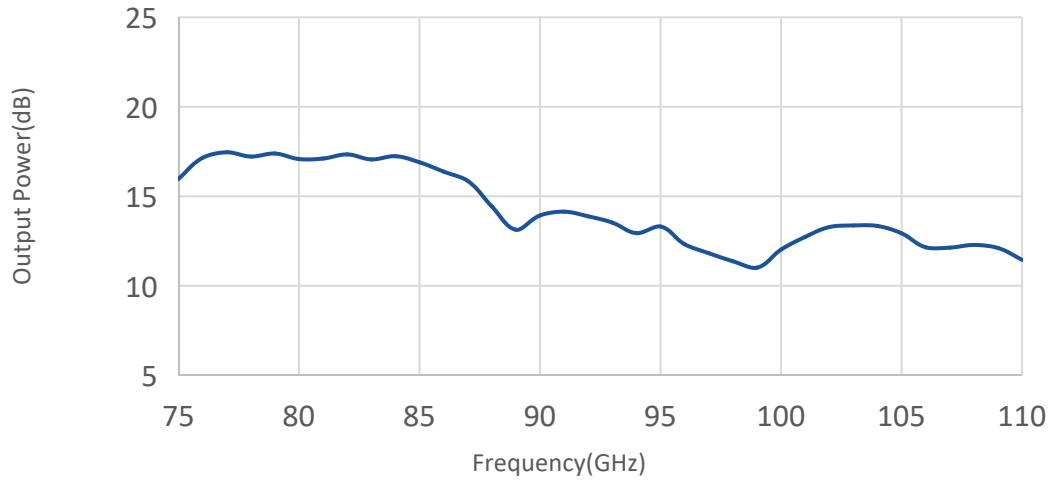
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-10		+65	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc 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
TLSE-075110-1030-10	W-Band, Frequency Extender X6 ,75-110GHz, Output Power: 10 dBm	Rev.1.2
TLSE-075110-1030-10-A	W-Band, Frequency Extender X6 ,75-110GHz, Output Power: 10 dBm,with mechanical Attenuator	Rev.1.2

典型曲线 Typical Performance Data:

Output Power vs Frequency



Harmonic vs Frequency

