

**Model: TLSE-220330-0030-03**
**WR-03 Frequency Extender  
 X18 ,220-330 GHz, Output Power: 0 dBm ,**
**Feature:**

- Output Frequency: 220-330 GHz
- Output Power : 0 dBm Typ
- Low power consumption

**电气特性 Electrical:**

参数Parameter	Min.	Typ.	Max.	单位Units
输出频率 Output Frequency	220		330	GHz
输出功率 Output Power		0		dBm
动态范围 Dynamic Range (选机械衰减器Optional mechanical Attenuator)		30		dB
输入频率 Input Frequency	12.22		18.34	GHz
输入功率 Input Power		+5	+10	dBm
倍频次数 Multiply Factor		18		dB
谐波抑制 Harmonic Suppression		-20		dBc
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.0		:1
供电电压 DC Voltage		+12		V
供电电流 DC Supply Current		3000		mA

**机械特性 Mechanical :**

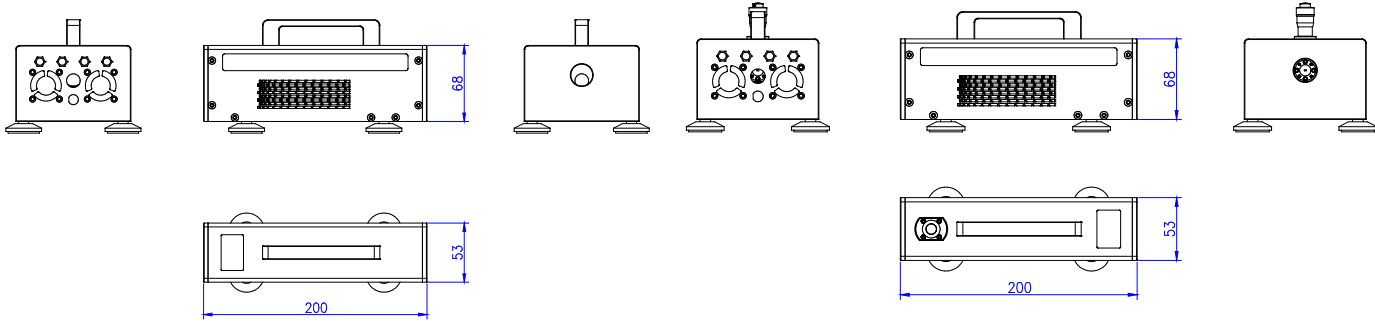
参数Parameter	指标 Value	单位Units
输出接口 Output Connector	WR-03/ UG-387/U	
输入接口 Input Connector	SMA Female	
直流偏置 Bias	Power adapter: 100-240VAC,	
尺寸 Size		mm

**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
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		+85	°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-220330-0030-03	WR-03 Frequency Extender X18 ,220-330 GHz, Output Power: 0 dBm,	Rev 1.2
TLSE-220330-0030-03-A	WR-03 Frequency Extender X18 , 220-330 GHz, Output Power: 0 dBm, with mechanical Attenuator	Rev 1.2