

Model: TLSE-050075-1430-15
**V-Band, Frequency Extender
 X4 ,50-75 GHz, Output Power: 14 dBm ,**
Feature:

- Output Frequency: 50-75GHz
- Output Power :14 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min.	Typ.	Max.	Units
Output Frequency	50		75	GHz
Output Power		14		dBm
Dynamic Range (Optional mechanical Attenuator)		30		dB
Input Frequency	12.5		18.75	GHz
Input Power		+5	+7	dBm
Multiply Factor		4		
Harmonic Suppression		-20		dBc
Input VSWR		2.0		:1
Output VSWR		2.0		:1
DC Voltage		+12		V
DC Supply Current		280		mA

Mechanical Specifications:

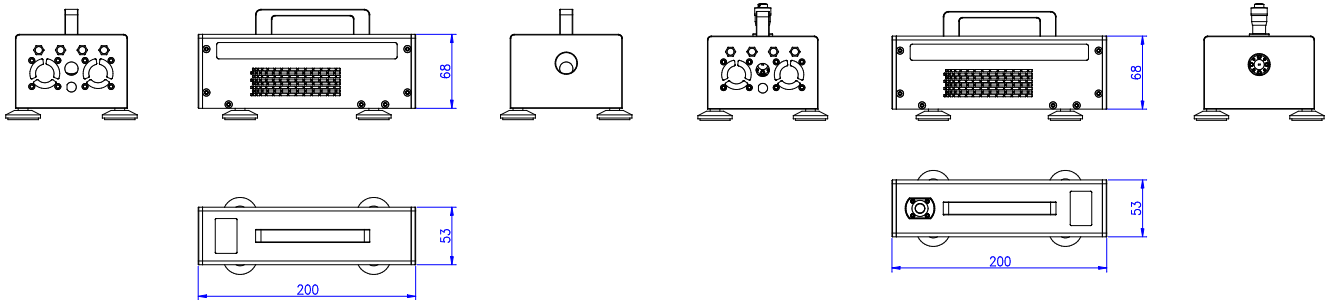
Parameter	Value	Units
Output Connector	WR-15/ UG-387/U	
Input Connector	SMA Female	
Bias	Power adapter: 100-240VAC,	
Size	200*53*68	mm

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+240 V AC
RF INPUT POWER	+10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



(Optional mechanical Attenuator)

Environmental Conditions:

Parameter	Min.	Typ.	Max.	单位Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Option		Revision
		Optional Mechanical Attenuator	Isolation	
TLSE-050075-1430-15	V-Band, Frequency Extender X4 ,50-75GHz, Output Power: 14 dBm	-A	-I	Rev.1.2