

Model: TLSE-110170-0030-06
**D-Band, Frequency Extender
 X12 ,110-170GHz, Output Power: -2 dBm ,**
Feature:

- Output Frequency: 110-170 GHz
- Output Power :-2 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min.	Typ.	Max.	Units
Output Frequency	110		170	GHz
Output Power		-2		dBm
Dynamic Range (Optional mechanical Attenuator)		30		dB
Input Frequency	9.16		14.17	GHz
Input Power		+5	+10	dBm
Multiply Factor		12		dB
Harmonic Suppression		-20		dBc
Input VSWR		2.0		:1
Output VSWR		2.0		:1
DC Voltage		+12		V
DC Supply Current		150		mA

Mechanical Specifications:

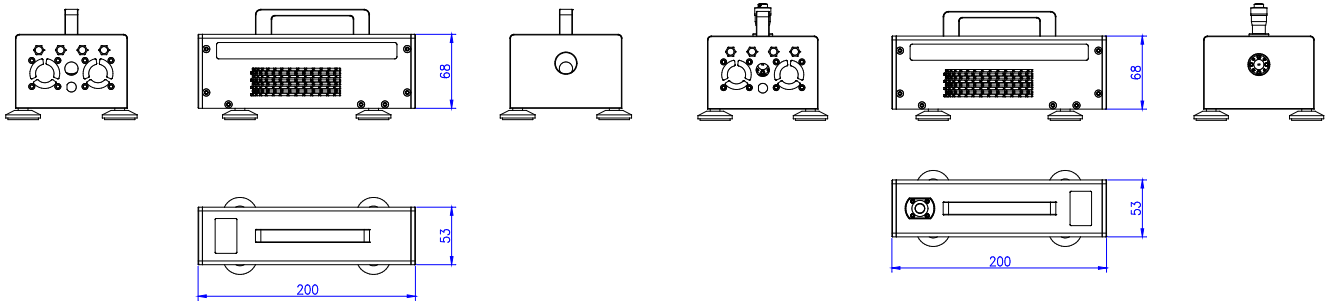
Parameter	Value	Units
Output Connector	WR-06/ UG-387/U	
Input Connector	SMA Female	
AC Bias	Power adapter: 100-240VAC,	
Size	200*53*68	mm

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	Revision
TLSE-110170-0030-06	D-Band, Frequency Extender X12 ,110-170GHz, Output Power: -2 dBm,	Rev.1.2
TLSE-110170-0030-06-A	D-Band, Frequency Extender X12 ,110-170GHz, Output Power: -2 dBm,with mechanical Attenuator	Rev.1.2