

Model TURSE-110170133006

D-Band, Frequency Extender
X12 ,110-170GHz, Output Power: 13 dBm

Feature:

- Output Frequency: 110-170 GHz
- Output Power :13 dBm Typ
- Low power consumption

Parameter	Min.	Typ.	Max.	Units
Output Frequency	110		170	GHz
Output Power		13		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		200		mA

Mechanical Specifications:

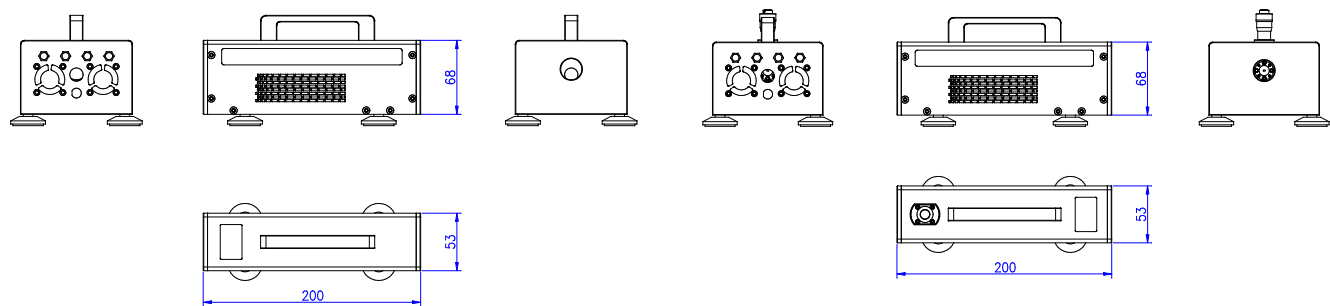
Parameter	Value	Units
Output Connector	WR-06/UG-387/U	
Input Connector	SMA Female	
AC Bias	Power adapter: 100-240VAC,	
Size	200*53*68	mm

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	℃
Non-operating Temperature	-55		+125	℃
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	
TURSE-110170133006	D-Band, Frequency Extender X12 ,110-170GHz, Output Power: 13 dBm	-A	-I	Rev.1.2