

Model: TLSE-170260-0030-04
Frequency Extender
X18 ,170-260GHz, Output Power: 0 dBm
Feature:

- Output Frequency: 170-260 GHz
- Output Power: 0 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	单位Units
Output Frequency	170		260	GHz
Output Power		0		dBm
Dynamic Range (Optional mechanical Attenuator)		30		dB
Input Frequency	9.44		14.44	GHz
Input Power		5	10	dBm
Multiply Factor		18		dB
Harmonic Suppression		20		dBc
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		12		V
DC Supply Current		150		mA

机械特性 Mechanical Specifications:

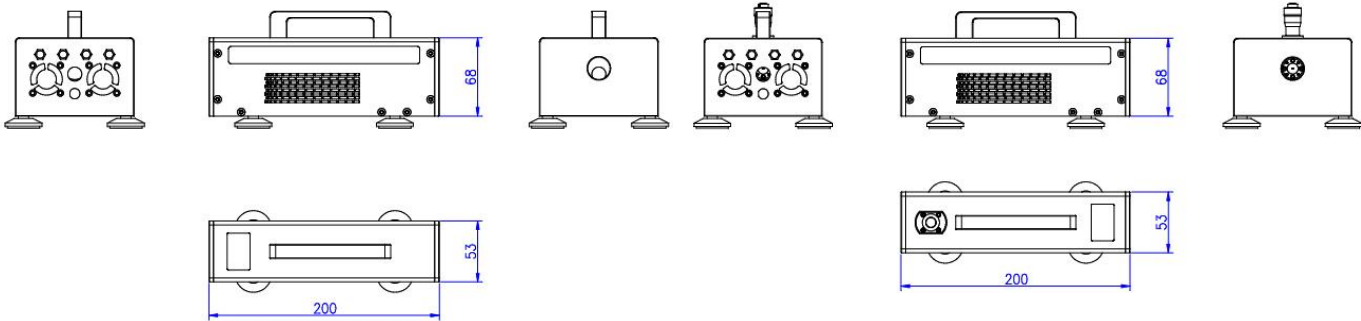
Parameter	Value
Output Connector	WR-04/UG-387/U
Input Connector	SMA Female
AC Bias	Power adapter: 100-240VAC
Size	200*53*68

Absolute Maximum Ratings:

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

Outline Drawing:

Unit: mm



Optional mechanical Attenuator

Environmental Conditions:

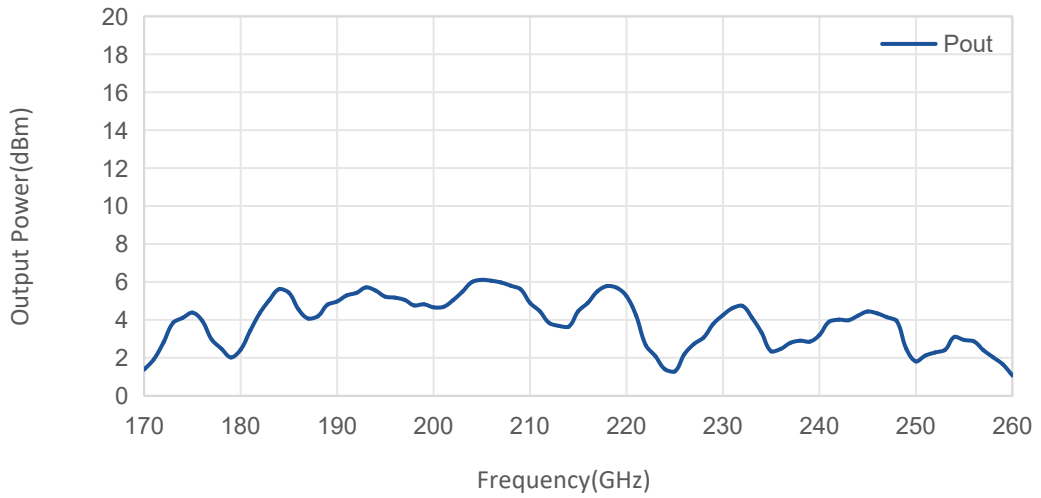
Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+65	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

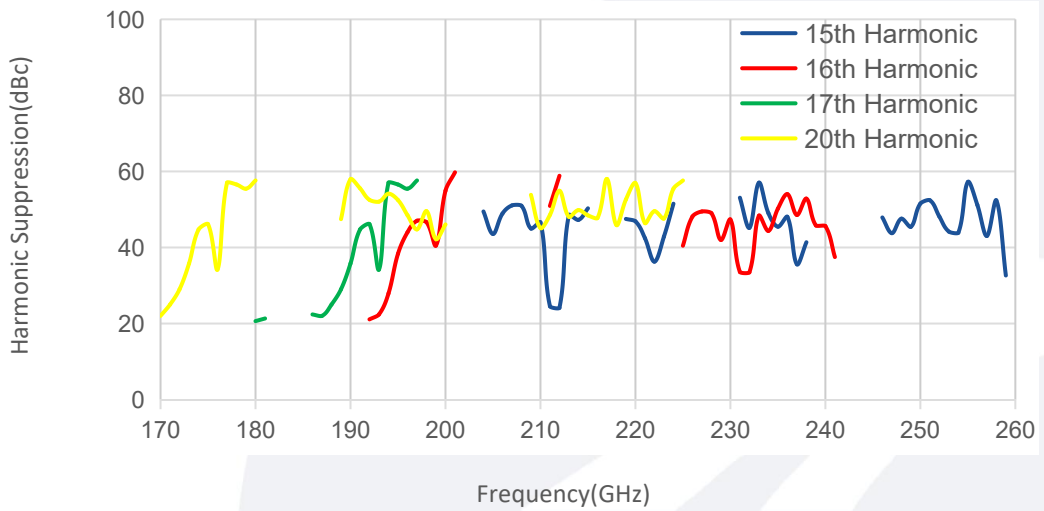
Part Number	Description	Option		Revision
		Optional Mechanical Attenuator	Isolation	
TLSE-170260-0030-04	H-band Frequency Extender, X18 ,170-260GHz, Output Power: 0 dBm	-A	-I	Rev.1.2

Typical Performance Data:

Output Power vs Frequency



Harmonic Suppression vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.