

E-Band Frequency Extender 60-90GHz/WR-12

Model: TLSE-060090-30-12-HA

TLSE-060090-30-12-HA frequency extenders are a dedicated Test & Measurement solution for extending the range of your signal source to 60-90 GHz.

Features:

- Frequency range: 60-90 GHz
- Output Power: -10~+20dBm Typ
- Low power consumption

Applications:

- Frequency Extension
- Antenna measurements
- Material characterisation

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	60		90	GHz
Output Power	-10		20	dBm
Input Frequency	10		15	GHz
Frequency Step		0.1		MHz
Input Power		0		dBm
Power Step		0.5		dB
Switching Time			200	us
Multiplication Factor		6		
Spurious Suppression		60		dBc
Harmonics Suppression		50		dBc
Supply Voltage		220		V AC

Mechanical Specifications:

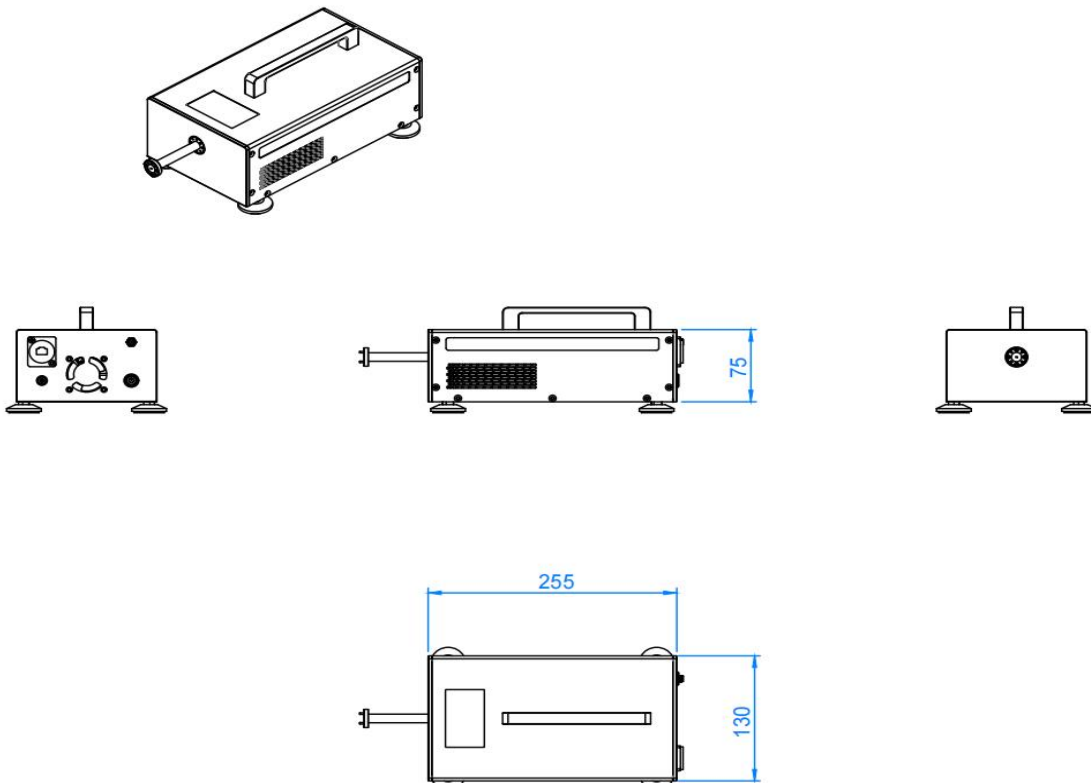
参数 Parameter	指标 Value	单位 Units
Input Connector	SMA Female	
Output Connector	WR-12/UG-387/U	
Power Supply Pin	FGG 0B 4 Core	
Size	255*130*75	mm

Absolute Maximum Ratings:

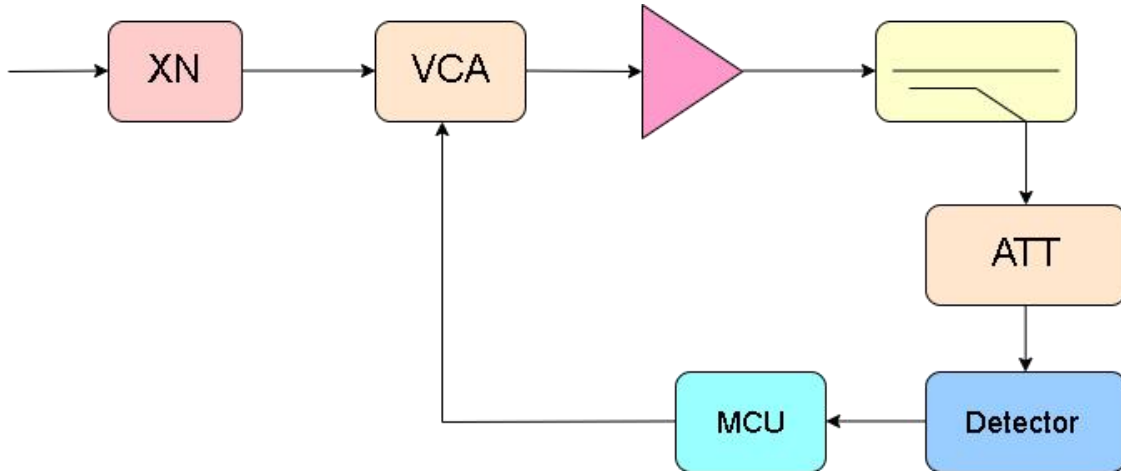
Parameter	Value
Supply Bias Voltage	+240 V AC
RF Input Power	+10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



Block Diagrams:



Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-45		+85	°C
Relative humidity		95		%
Altitude	10,000			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-060090-30-12-HA	E-Band Frequency Extender, X6, 60-90GHz, Output Power: -10~+20dBm	Rev.1.0

Components Included:

Part Number	Description	Quantity
TLACTDC-22012	AC-to-DC Power Adapter	1 PCS