

LT-PM-220330-3.4
Passive Frequency Multiplier
WR-3.4/X3/220-330GHz/7dBm Output
sales@lauftex.ru | lauftex.ru



LT-PM-220330-3.4 is a WR-3.4 X3 passive multiplier that generates third order harmonics with good harmonic and fundamental suppression. This multiplier requires an input frequency range of 73.5 to 110 GHz at +23 dBm RF power to yield typical +7 dBm output power at 220 to 330 GHz. The multiplier is equipped with a WR-10 waveguide and UG-387/U-M flange as its input port and a WR-3.4 waveguide and UG-387/U-M flange as its output port.

Features:

- Output Frequency: 220-330GHz
- Output Power: 7dBm Min
- Compactness,High Power&Efficiency

Applications:

- Frequency Extenders
- THz Systems
- Source Modules

Electrical Characteristics:

Parameter	Min	Typ	Max	单位 Units
Output Frequency	220		330	GHz
Input Frequency	73.5		110	GHz
Output Power		7		dBm
Input Power			23	dBm
Multiply Factor		3		

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-3.4/UG-387/U	
Input Connector	WR-10/UG-387/U	
Size	24*20*20.97	mm

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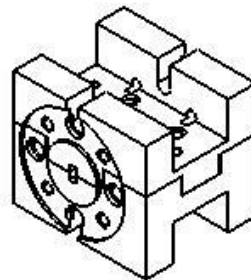
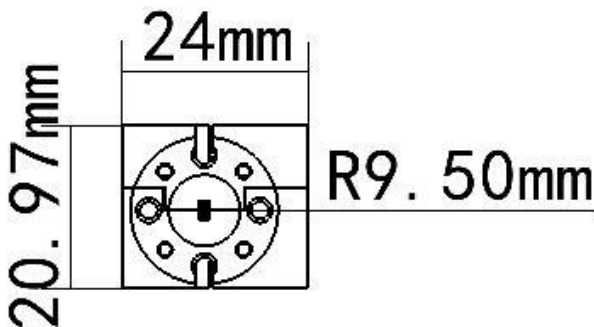
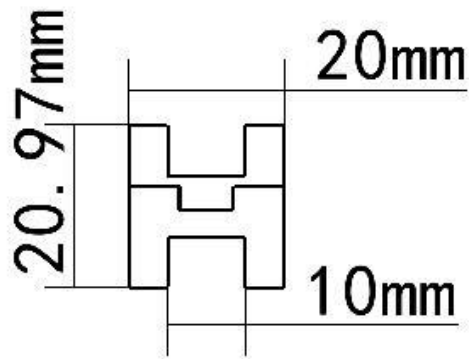
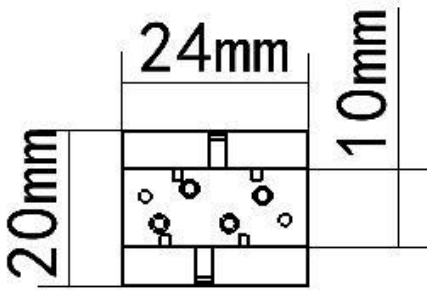
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Absolute Maximum Ratings :

Parameter	Value
RF Input Power	TBD
EESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit:mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

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Environmental Conditions :

Parameter	Min	Typ	Max	单位 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			