

Model:TMAM-060090-0412-12

Active Frequency Multiplier, X4,60-90GHz, 12dBm Output Power

Feature:

- Output Frequency:60-90GHz
- Output Power :12 dBm Min
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	60		90	GHz
Output Power	12		15	dBm
Input Frequency	15		22.5	GHz
Input Power	3	5	7	dBm
Multiply Factor		4		Time
DC Voltage	5.5			V
DC Supply Current		430		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-12/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	45*40*24	mm

Absolute Maximum Ratings:

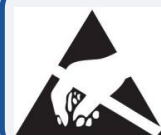
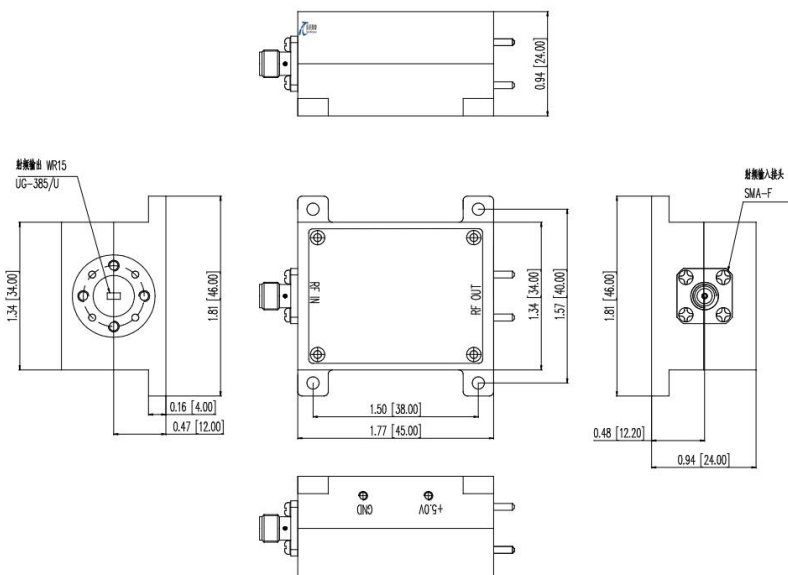
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	TBD
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-45		+85	°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
TMAM-060090-0412-12	Active Multiplier,X4,60-90GHz, Output Power:12dBm,WR-12/UG-387/U,SMA Female	Rev.1.1