

Model:TMAM-102108-0613-10

**Active Frequency Multiplier,
X6,102-108 GHz, 15 dBm Output Power**

Feature:

- Output Frequency:102-108 GHz
- Output Power : 15 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	102		108	GHz
Output Power	13	15		dBm
Input Frequency	17		18	GHz
Input Power	2	5	8	dBm
Multiply Factor		6		Time
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage	12			V
DC Supply Current		450		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-10/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	48*55*60	mm

Absolute Maximum Ratings:

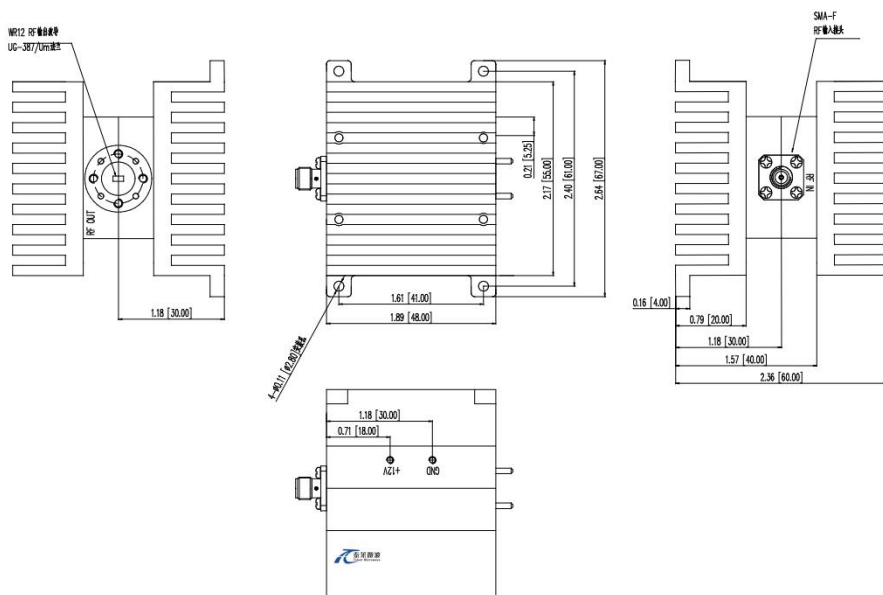
Parameter	Value
Supply Bias Voltage	+12 V
RF Input Power	+8 dbm
ESD sensitivity (HBm)	Class 0, passed 150V



**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-102108-0613-10	Active Multiplier,X6,102-108GHz, Output Power:15dBm,WR-10/UG-387/U,SMA Female	Rev.1.1