

Model:TMAM-090100-0616-10

Active Frequency Multiplier, X6,90-100 GHz, 16 dBm Output Power

Feature:

- Output Frequency:90-100 GHz
- Output Power : 16 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	90		100	GHz
Output Power	15	16	18	dBm
Input Frequency	15		16.67	GHz
Input Power	4	6	8	dBm
Multiply Factor		6		Time
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage	5			V
DC Supply Current		400		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-10/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	48*30*24	mm

Absolute Maximum Ratings:

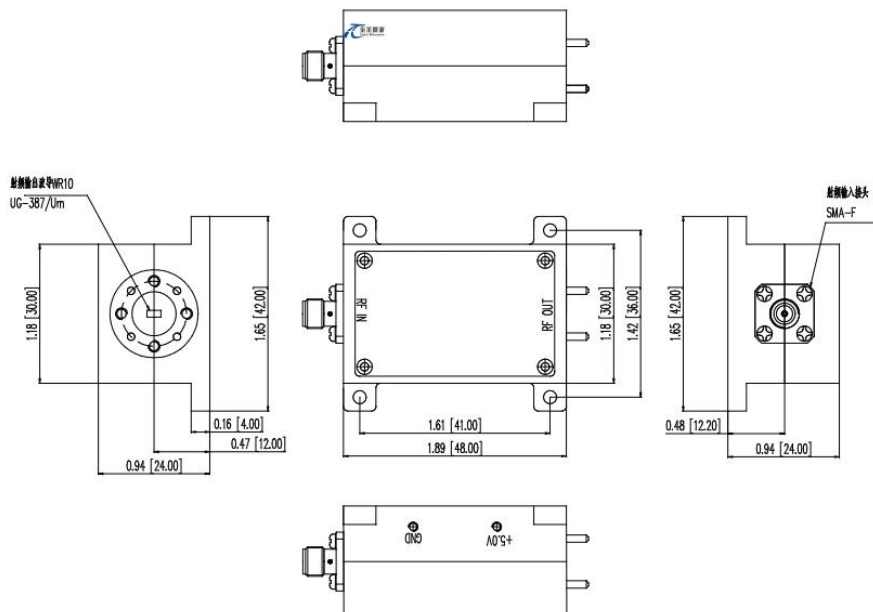
Parameter	Value
Supply Bias Voltage	+5 V
RF Input Power	+8 dbm
ESD sensitivity (HBm)	Class 0, passed 150V



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-090100-0616-10	Active Multiplier,X6,90-100GHz, Output Power:16 dBm,WR-10/UG-387/U,SMA Female	Rev.1.1