

Model:TMAM-050075-0215-15

**Active Frequency Multiplier,
X2,50-75GHz, 15.5dBm Output Power**

Feature:

- Output Frequency:50-75GHz
- Output Power :15.5dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	50		75	GHz
Output Power	14	15.5		dBm
Input Frequency	25		37.5	GHz
Input Power	2	3	5	dBm
Multiply Factor		2		Time
Input VSWR		2		:1
Output VSWR		2.5		:1
DC Voltage		5		V
DC Supply Current		400		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-15/UG-385/U	
Input Connector	2.92mm Female	
DC Bias	Solder Pin	
Size	45*42*24	mm

Absolute Maximum Ratings:

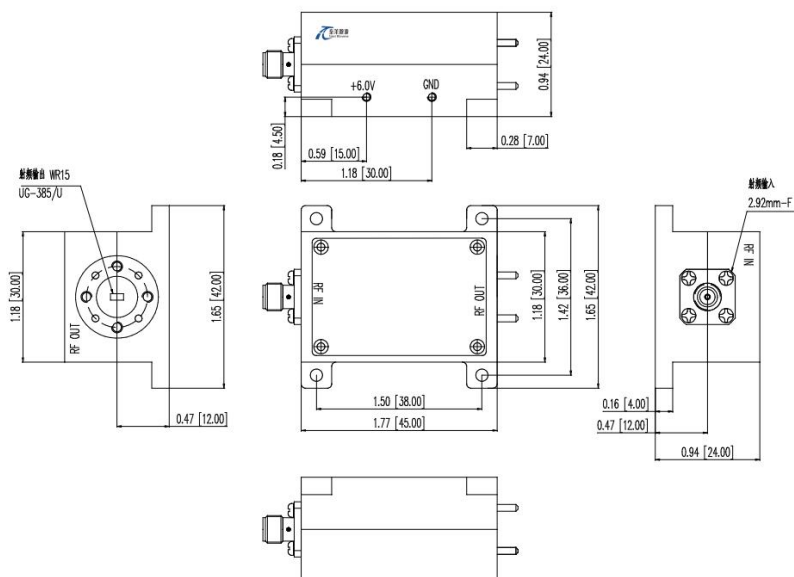
Parameter	Value
Supply Bias Voltage	6V
RF Input Power	5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



**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-050075-0215-15	Active Multiplier,X2,50-75GHz, Output Power:15.5dBm,WR-15/UG-385/U,2.92mm Female	Rev.1.1