

Model:TMAM-110150-0814-06
Active Frequency Multiplier
X8,110-150 GHz, 14 dBm Output Power
Feature:

- Output Frequency:110-150 GHz
- Output Power : 14dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	110		150	GHz
Output Power	13.5	14	15.5	dBm
Input Frequency	13.75		18.75	GHz
Input Power	3	4	5	dBm
Multiply Factor		8		Time
Input VSWR		2		:1
Output VSWR		2.5		:1
DC Voltage	15(220V AC adaptor)			V
DC Supply Current		400		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-06/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	160*127*74.6	mm

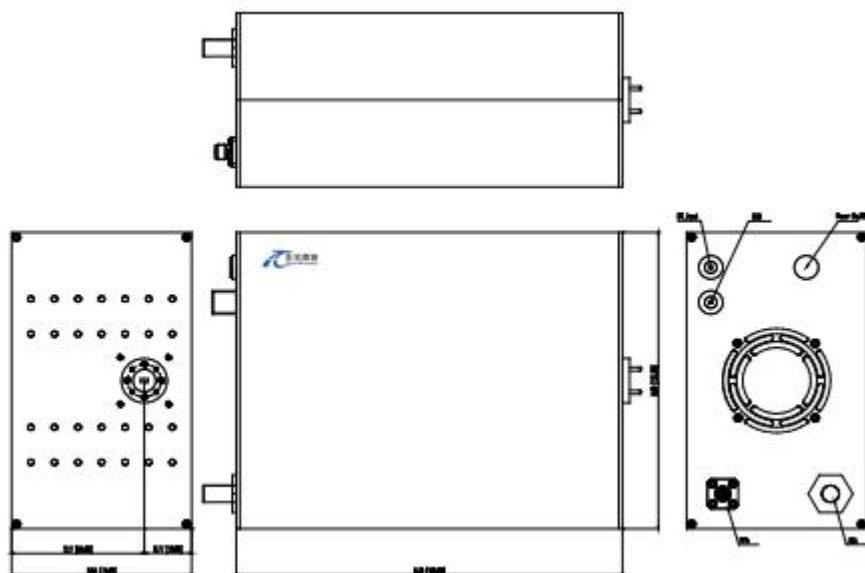
Absolute Maximum Ratings:

Parameter	Value
RF Input Power	+6 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	0		+55	°C
Non-operating Temperature	-25		+65	°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-110150-0814-06	Active Multiplier,X8,110-150GHz, Output Power:14dBm,WR-06/UG-387/U,SMA Female	Rev.1.1

Typical Performance Data:

Output Power vs Frequency

