

Model:TMAM-086106-0810-10

Active Frequency Multiplier X8,86-106GHz, 10dBm Output Power

Feature:

- Output Frequency:86-106GHz
- Output Power: 10dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	86		106	GHz
Output Power		10		dBm
Input Frequency	10.75		13.25	GHz
Input Power	3		5	dBm
Multiply Factor		8		Time
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		5		V
DC Supply Current		130		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-10/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	42*24*30	mm

Absolute Maximum Ratings:

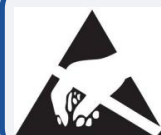
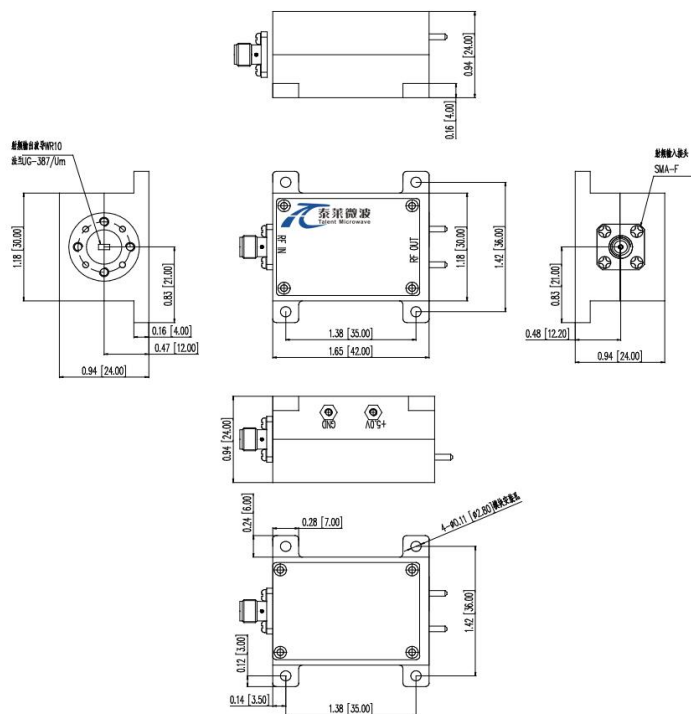
Parameter	Value
Supply Bias Voltage	6V
RF Input Power	+6dBm
ESD sensitivity (HBm)	Class 0, passed 150V



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	-55		+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-086106-0810-10	Active Multiplier,X8,86-106GHz, Output Power:10dBm,WR-10/UG-387/U,SMA Female	Rev.1.1

Typical Performance Data:

Output Power vs Frequency

