

Model:TMAM-080086-0625-12

Active Frequency Multiplier, X6,80-86GHz, 25dBm Output Power

Feature:

- Output Frequency:80-86GHz
- Output Power :25 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	80		86	GHz
Output Power		25	26.5	dBm
Input Frequency	13.3		14.33	GHz
Input Power	0	3	6	dBm
Multiply Factor		6		Time
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage	5.5			V
DC Supply Current		1200		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-12/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	/	mm

Absolute Maximum Ratings:

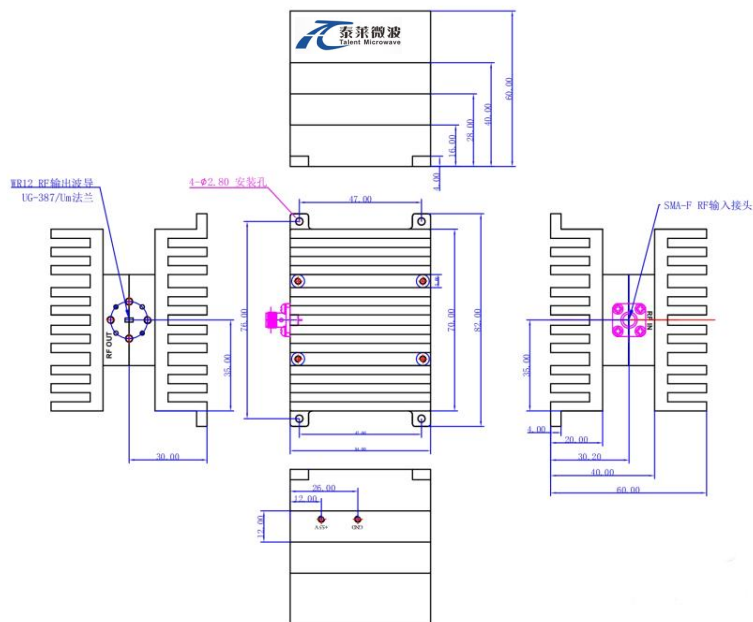
Parameter	Value
Supply Bias Voltage	5.5V
RF Input Power	6dBm
ESD sensitivity (HBm)	Class 0, passed 150V



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	-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-080086-0625-12	Active Multiplier,X6,80-86GHz, Output Power:25dBm,WR-12/UG-387/U,SMA Female	Rev.1.1

Typical Performance Data:

Output Power vs Frequency

