

Model:TMAM-077086-0225-12

Active Frequency Multiplier, X2,77-86GHz, 25dBm Output Power

Feature:

- Output Frequency:77-86GHz
- Output Power :25 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	77		86	GHz
Output Power	22	25	26.5	dBm
Input Frequency	38.5		43	GHz
Input Power	0	1	3	dBm
Multiply Factor		2		Time
Input Return Loss		10		dB
Output Return Loss		7		dB
DC Voltage	5.5			V
DC Supply Current		1350		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:

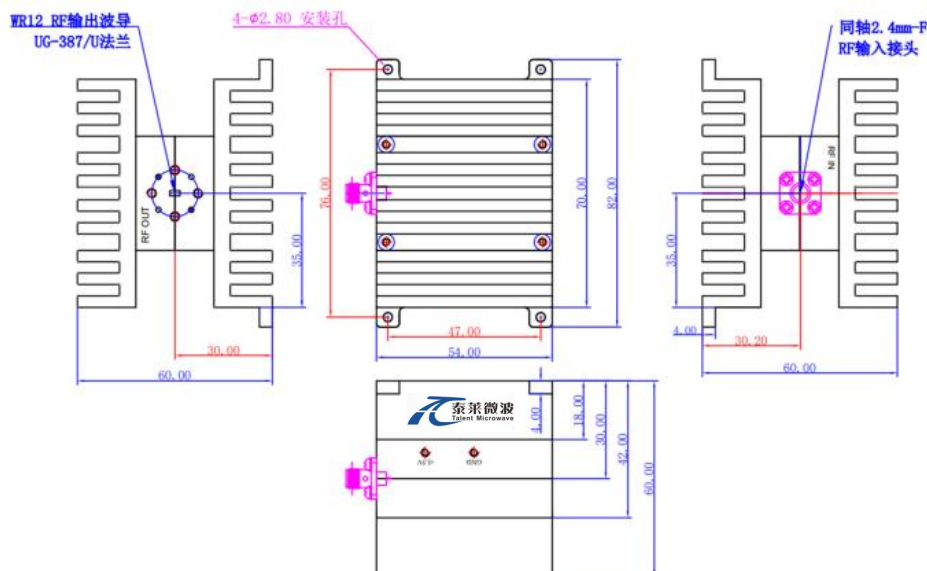
Parameter	Value
Supply Bias Voltage	5.5V
RF Input Power	6dBm
ESD sensitivity (HBm)	Class 0, passed 150V



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-077086-0225-12	Active Multiplier,X2,77-86GHz, Output Power:25dBm,WR-12/UG-387/U,SMA Female	Rev.1.1