

Model:TMAM-071086-0811-12

Active Frequency Multiplier, X8,71-86GHz, 11dBm Output Power

Feature:

- Output Frequency:71-86GHz
- Output Power :11 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	71		86	GHz
Output Power		11		dBm
Input Frequency	8.875		10.75	GHz
Input Power	5	7	8	dBm
Multiply Factor		8		Time
7th Harmonic		20		dBc
9th Harmonic		20		dBc
Input VSWR		2.2		:1
Output VSWR		2.2		:1
DC Voltage		5	8	V
DC Supply Current		22		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-12/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	46*28*24	mm

Absolute Maximum Ratings:

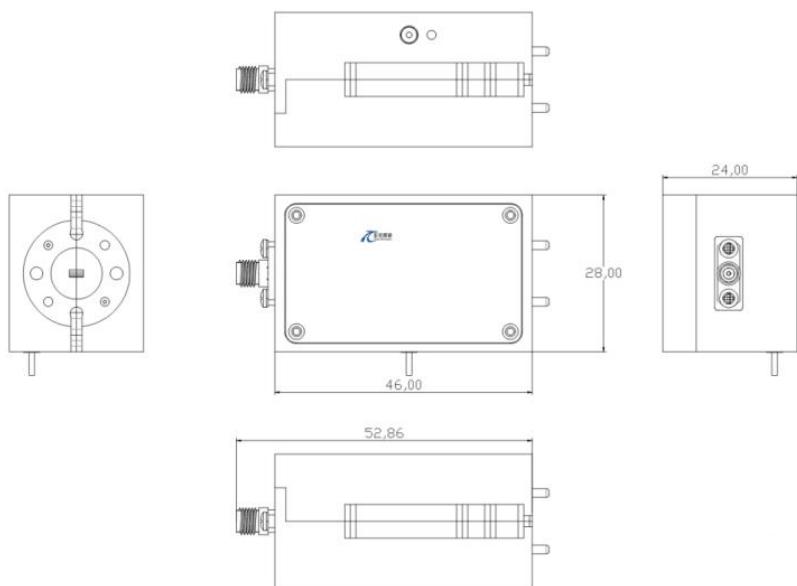
Parameter	Value
Supply Bias Voltage	8V
RF Input Power	8dBm
ESD sensitivity (HBm)	Class 0, passed 150V



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-071086-0811-12	Active Multiplier,X8,71-86GHz, Output Power:11dBm,WR-12/UG-387/U,SMA Female	Rev.1.1