

Model:TMAM-055085-0418-12

Active Frequency Multiplier, X4,55-85GHz, 18dBm Output Power

Feature:

- Output Frequency:55-85GHz
- Output Power :18 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	55		85	GHz
Output Power	15	18		dBm
Input Frequency	13.75		21.25	GHz
Input Power	4	6	8	dBm
Multiply Factor		4		Time
Input VSWR		2.5		:1
Output VSWR		2		:1
DC Voltage	5.5			V
DC Supply Current		450		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-12/UG-387/U	
Input Connector	SMA Female	
DC Bias	Solder Pin	
Size	58*35*24	mm

Absolute Maximum Ratings:

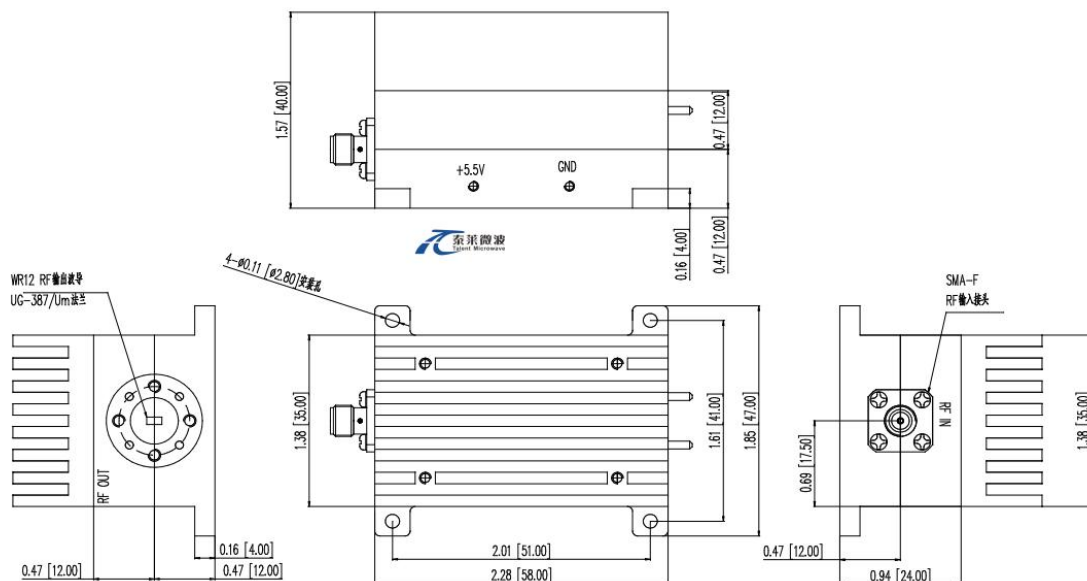
Parameter	Value
Supply Bias Voltage	5.5V
RF Input Power	8dBm
ESD sensitivity (HBm)	Class 0, passed 150V



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	-25		+75	°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-055085-0418-12	Active Multiplier,X4,55-85GHz, Output Power:18dBm,WR-12/UG-387/U,SMA Female	Rev.1.1