

Model:TMAM-075110-0405-10

Active Frequency Multiplier, X4,75-110 GHz, 5 dBm Output Power

Feature:

- Output Frequency:75-110 GHz
- Output Power : 5 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	75		110	GHz
Output Power	3	5	10	dBm
Input Frequency	18.75		27.5	GHz
Input Power	2	3	5	dBm
Multiply Factor		4		Time
Input VSWR		2		:1
Output VSWR		2.5		:1
DC Voltage	5.5			V
DC Supply Current		530		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-10/UG-387/U	
Input Connector	2.92mm Female	
DC Bias	Solder Pin	
Size	48*56*60	mm

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	5.5V
RF Input Power	+5 dbm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm

Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

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-075110-0405-10	Active Multiplier,X4,75-110GHz, Output Power:5dBm,WR-10/UG-387/U,2.92mm Female	Rev.1.1