

Model:TMAM-090105-0315-10

**Active Frequency Multiplier,
X3,90-105 GHz, 15 dBm Output Power**

Feature:

- Output Frequency:90-105 GHz
- Output Power : 15 dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	90		105	GHz
Output Power	14	15	16	dBm
Input Frequency	30		35	GHz
Input Power	16		21	dBm
Multiply Factor		3		Time
Harmonics			-20	dBc
Input VSWR		2.5		:1
Output VSWR		2.5		:1
DC Voltage	5			V
DC Supply Current		250		mA

Mechanical Specifications:

Parameter	Value	Units
Output Connector	WR-10/UG-387/U	
Input Connector	WR-28/UG-599/U	
DC Bias	Solder Pin	
Size	/	mm

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	/
RF Input Power	+21 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-090105-0315-10	Active Multiplier,X3,90-105GHz, Output Power:15dBm,WR-10/UG-387/U,WR-28/UG-599/U	Rev.1.1