

Model:TMAM-040060-0416-19

U-Band Active Multiplier

X4, 40-60 GHz, +15 dBm Output Power

Feature:

- Output Frequency:40-60 GHz
- Output Power : 15dBm Typ
- Low power consumption

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Output Frequency	40		60	GHz
Output Power		15		dBm
Input Frequency	10		15	GHz
Input Power	3	5	7	dBm
Harmonic Suppression		-20		dBc
Multiply Factor		4		
DC Voltage		12		V
DC Supply Current		250		mA

Mechanical Specifications:

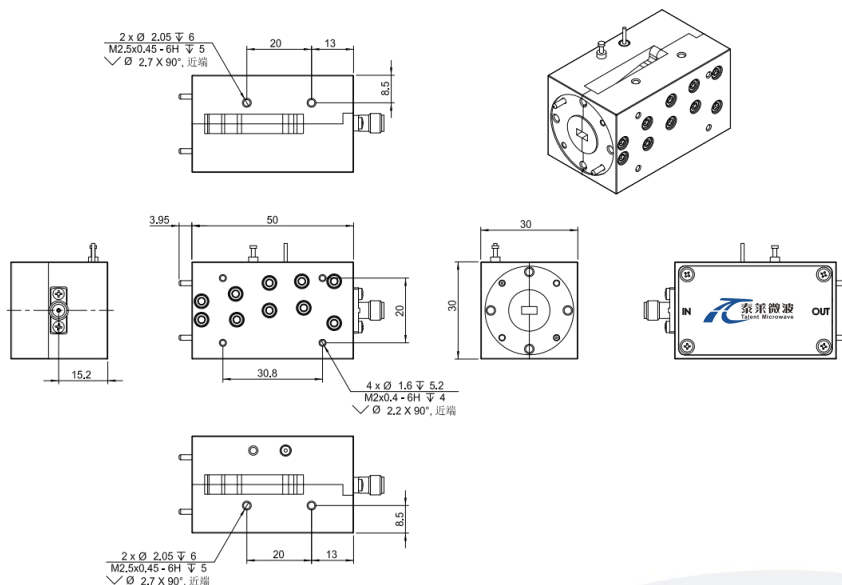
Parameter	Value	Units
Output Connector	WR-19/UG-383/U	
Input Connector	SMA Female	
Bias	Solder Pin	
Size	50*30*30	mm

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+15 V
RF Input Power	+10 dbm
ESD sensitivity (HBm)	Class 0, passed 150V

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-040060-0416-19	Active Multiplier,X4,40-60GHz, Output Power:15dBm,WR-19/UG-383/U,SMA Female	Rev.1.1