

Model:TLAM-4070-0417-V
Active Multiplier
X4, 40-70 GHz ,+17 dBm Output Power
Feature:

- Output Frequency: 40-70 GHz
- Output Power : 17dBm Typ
- Low power consumption
- 50 Ohm Matched Input / Output

Electrical:

Parameter	Min.	Typ.	Max.	Units
Output Frequency	40		70	GHz
Output Power	15	17		dBm
Input Frequency	10		17.5	GHz
Input Power	0	+5		dBm
Fundamental Harmonic		20		dBc
Harmonic Suppression		20		dBc
Multiply Factor		4		dB
Input VSWR		2.2		:1
Output VSWR		2.2		:1
DC Voltage		+5	+8	V
DC Supply Current		450		mA

Mechanical :

Parameter	Value	Units
Output Connector	1.85mm Female	
Input Connector	SMA Female	
Bias	Solder Pin	
Size	28×18.9×13	mm



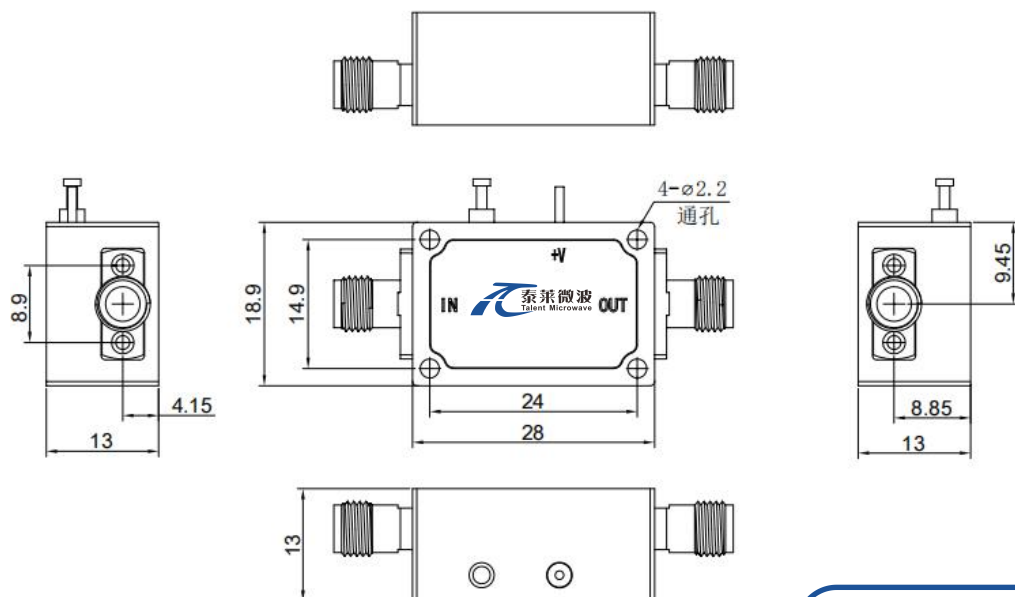
Available 220V System
Benchtop Amplifier

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+15V
RF Input Power	+10dBm
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	-55		+85	°C
Non-operating Temperature	-65		+150	°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
TLAM-4070-0417-V	Active Multiplier X4, 40-70 GHz ,+17 dBm Output Power	Rev.1.1