

Model: TMPA-050075-3818-15
Power Amplifier
50-75GHz, Gain:38 dB,Psat:18 dBm
Feature:

- Frequency Range:50-75 GHz
- Gain:38dB Typ
- Output Power Psat:18dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	50-75			GHz
Gain	35	38		dB
Output Psat		18		dBm
Input VSWR		2.5		:1
Output VSWR		2.5		:1
DC Voltage		5		V DC
DC Supply Current		550		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-15/UG-385/U	
DC Bias	Solder Pin	
Size	60*45*24	mm
Weight	/	g

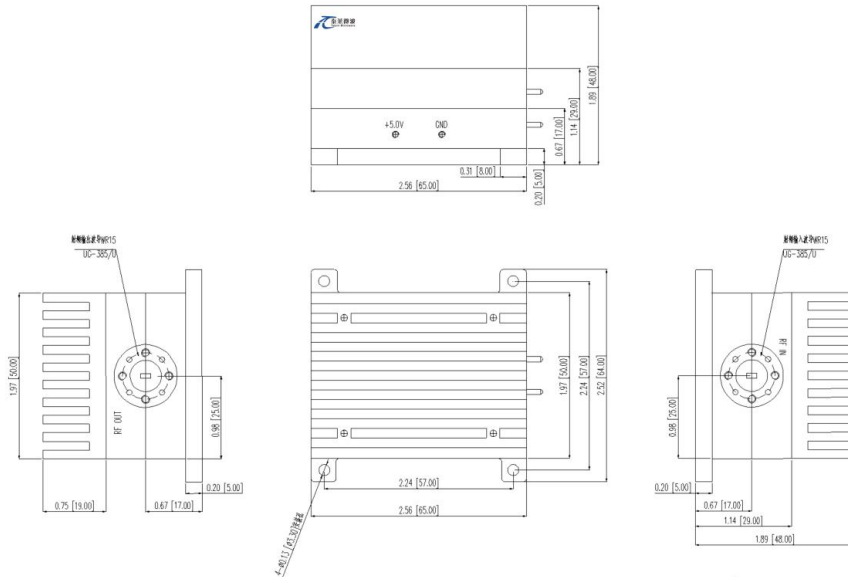
Absolute Maximum Ratings:

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


**Available 220V System
 Benchtop Amplifier**

Outline Drawing:

Unit: mm(Inches)



Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Parameter	Min	Typ	Max	Units
Operating Temperature	0		+65	°C
Non-operating Temperature	-55		+125	°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
TMPA-050075-3818-15	Power Amplifier,50-75 GHz, Gain:38dB Typ,Psat:18dBm Typ,5V DC,WR-15	Rev.1.1