

Model: TMPA-87.5094-2331-10
Power Amplifier
87.5-94 GHz, Gain:23 dB,Psat:31 dBm
Feature:

- Frequency Range:87.5-094 GHz
- Gain:23 dB Typ
- Output Power Psat:31 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	87.5-94			GHz
Gain	20	23		dB
Output Psat	30	31		dBm
Input Power	7	8	10	dBm
Input VSWR		2		:1
Output VSWR		2.5		:1
DC Voltage		18.5		V DC
DC Supply Current		1750		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
DC Bias	Solder Pin	
Size	56*99*86(With Heatsink)	mm
Weight	/	g

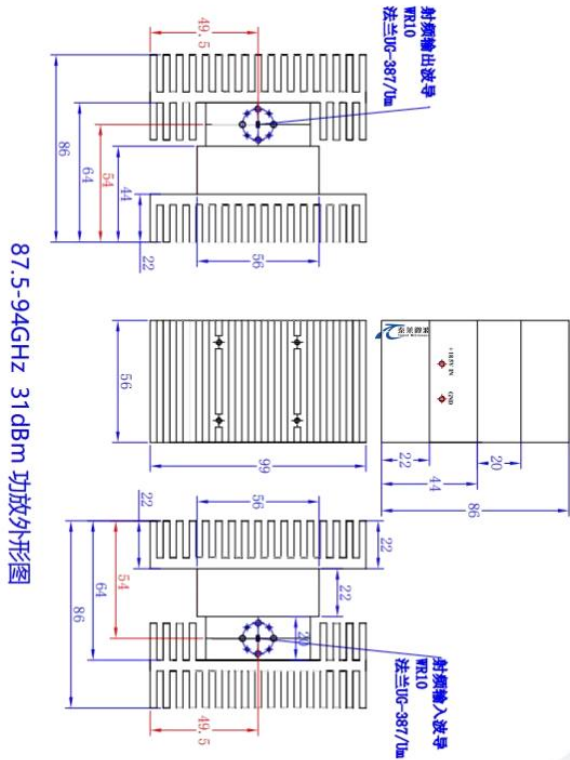
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	10 dBm
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	-25		+50	°C
Non-operating Temperature	-45		+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-87.5094-2331-10	Power Amplifier,87.5-94 GHz, Gain:23 dB Typ,Psat:31 dBm Typ,18.5V DC,WR-10	Rev.1.1