

UHF-BAND POWER AMPLIFIER P/N TWPA08600870050

Main Features

- 860 – 870 MHz
- 50 Watt CW Output Power
- Gain: 47dB min
- Output Connector : SMA female
- Single 28 V power supply

Typical Applications

- Wireless Infrastructure
- Military & Aerospace
- RF Microwave & VSAT
- Test Instrumentation
- Jamming

Electrical Specifications				
Parameter	Unit	Min.	Typ.	Max.
Frequency Range	MHz	860		870
Power Gain	dB	47	48	
Saturated Output Power Level	dBm	47	48	
Gain Flatness	dB		+/- 0.5	
Input VSWR	:1		1.5	2
Output VSWR	:1		1.5	2
Input Power Level (no damage)	dBm			10
DC Current	A		7	
Power Supply	V	27	28	29

Environmental Specifications		
Parameter	Unit	Specification
Operating temperature range	°C	-40 to + 85
Storage Temperature range	°C	-55 to +105

Mechanical Specifications		
Parameter	Unit	Specification
Dimensions	mm	150 * 90 * 30
RF connectors		50 Ohm SMA - Female
Material		Aluminum

Control Port Pinout	
I/O Interface (D-SUB 9 pins male)	1: ENABLE 2: Forward Power Monitor 3: Reflected Power Monitor 4: TEMP Monitor 5: VSWR Fail Alarm 6: 28V 7: 28V 8: GND 9: GND