

## High Power Amplifier, 1.3-2.7GHz, 50dB RF Gain, Female Connectors SMA Input / N Output, 50 Watts

### 50W HPA Electrical Specifications

Parameter	Specification
Frequency	1300MHz to 2700MHz
Output Power CW	47 dBm (Max)
RF Gain	50dB
Noise Figure	10dB (Max)
Normal Operating Voltage	+28V
Gain Flatness	Peak to peak $\pm 2.5$ dB Over operating frequency
Input Return Loss	-10dB min.
Current Consumption	7A max. @+28V, +25 °C, Po=+47dBm
	1A max. @ 'DISABLE' state
Operating Temperature	-20 °C to +70 °C
Storage Temperature	-40 °C to +85 °C
Relative Humidity	90% RH
RF Connectors	Input: SMA Female, Output: N-Type Female
Dimension	

### I/O Signal Connector Pin Descriptions

Pin No.	Description	I/O	Specifications
1	VSWR Alarm	O	@S22>3:1 or Output port open Output>34dBm/CW TTL=HIGH
2	Shutdown	O	Amplifier Enable: TTL "Low" (Logic 0) or Open Amplifier Disable: TTL "High" (Logic 1)
3	GND	-	Ground
4	GND	-	Ground
5	GND	-	Ground
6	+VDD	I	+28V
7	+VDD	I	+28V
8	+VDD	I	+28V
9	+VDD	I	+28V

**Order Examples:** RAMP-1.3-2.7-47d-Sf-Nf-50W-k2

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Specifications may be subject to change

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