

1000S04 POWER AMPLIFIER

**1000 Watts
RF Power For:**

- Industrial
- Laboratory Applications



Featuring:

- 20 – 400 KHz
- S-Series
 - Sample Ports
- Solid State Reliability
- Forced Air Cooling

1000S04 Specifications*

Class of Operation:	Class D/S
Frequency Coverage:	20 KHz – 400 KHz
Rated Power:	1,000 Watts into 50 Ω
Power Gain:	60 dB nominal
Gain Flatness:	+/- 1 dB into 50 Ω
Input Power for Rated Pout:	0 dBm (1 mW)
Input Impedance / VSWR:	50 Ω / 1.5:1 maximum
Output Impedance / VSWR:	50 Ω / 1.1:1 maximum
Harmonic Level:	All harmonics better than -35dBc at full power.
Ruggedness:	∞:1 VSWR
Stability:	Unconditional into any passive or reactive load
Protection:	Unit will withstand input signal of +30 dBm without damage.
AC Input:	84 – 240 VAC
Temperature Range:	0° – 45° C
Cooling:	Forced Air (front to back)
Dimensions (H x W x D):	3.5 x 19 x 22.5 inches 88.9 x 482.6 x 571.5 mm
Weight:	31 lbs / 14 Kg
Connectors:	Type N
Rack Mounting:	Optional
RF Input Signal:	AM, FM, SSB, Pulsed

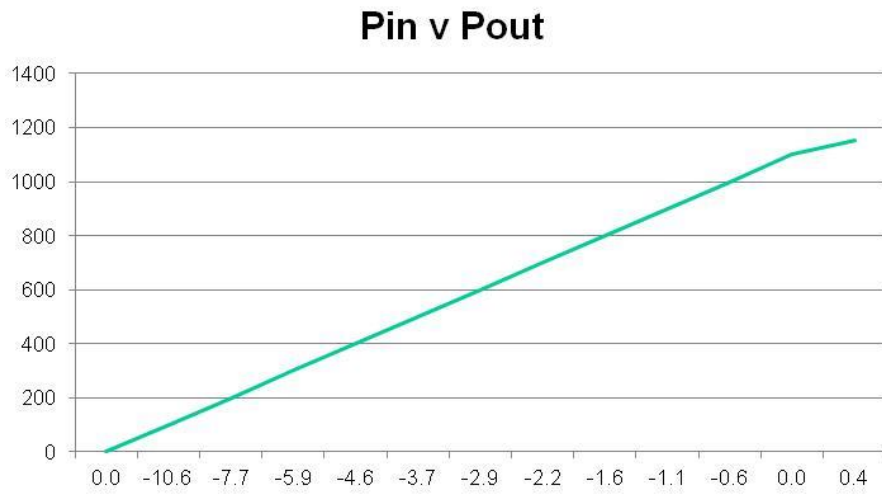


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Harmonic Performance:

	Pout =	1000 W	800 W
	Freq =	30 KHz	100 KHz
		dBc	
F ₂	-38	-37.5	-44.4
F ₃	-42.8	-39.7	-35.4
F ₄	-47.6	-58	< -80
F ₅	-45	-46	-59
F ₆	-55	< -80	< -80
F ₇	-46.7	-63	-67
F ₈	< -80	< -80	< -80
F ₉	-45.7	< -80	< -80
F ₁₀	-75	< -80	< -80
1.33 MHz Switch	-53.4	-54.7	-52.4

Linearity:



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