OPHIR RF

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MODEL 5392

**6-12 GHz
25 WATTS
BENCHTOP RF AMPLIFIER**

Solid State Broadband High Power RF Amplifier

The 5392 is a 25 Watt broadband amplifier that covers the 6.0-12.0 GHz frequency range. This small and lightweight amplifier utilizes Class A/AB linear power devices that provide an excellent 3rd order intercept point, high gain, and a wide dynamic range.

Due to robust engineering and employment of the most advanced devices and components, this amplifier achieves high efficiency operation with proven reliability.

The 5392 has the RF connectors located on the front panel. The AC input receptacle is located at the rear of the amplifier.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	6-12 GHz
2	Saturated Output Power	25 Watts typical 20 Watts minimum
3	Small Signal Gain	+43 dB minimum
4	Power Gain Flatness	$\pm$ 3.0 dB
5	IP$_3$	+46 dBm typical
6	Input VSWR	2:1 max
7	Harmonics	≤ -15 dBc @ 8 Watts
8	Spurious Signals	≤ -60 dBc @ 8 Watts
9	Input/Output Impedance	50 Ohms nominal
10	AC Input Power	≤ 350 Watts
11	AC Input	100 – 240 VAC, single phase
12	RF Input	-3 dBm for rated output power **0 dBm max**
13	RF Input Signal Format	CW/AM/FM/PM/Pulse
14	Class of Operation	A/AB
Mechanical		
16	Dimensions	7" x 5.6" x 12"
17	Weight	9 Lbs.
18	RF Connectors (front panel)	Type-N
19	Grounding	Chassis
20	Cooling	Internal Forced Air
Environmental		
21	Operating Temperature	0º C to +50º C
22	Operating Humidity	95% Non-condensing
23	Operating Altitude	Up to 10,000' Above Sea Level
24	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice

Proudly made in the U.S.A.

ANAB ACCREDITED
ISO/IEC 17025
MANAGEMENT SYSTEMS
CERTIFICATION BODY

Certified to ISO 9001:2008

TÜVRheinland
Precisely Right.

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