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MODEL 5395

6 - 18 GHz
12 WATTS
BENCHTOP RF AMPLIFIER

**Solid State
Broadband High
Power RF Amplifier**

The 5395 is a 12 Watt broadband amplifier that covers the 6 – 18 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 5395 has the RF connectors located on the front panel. The AC input receptacle is located at the rear of the amplifier.

| | <u>Parameter</u> | <u>Specification @ 25° C</u> |
|-----------------------------|-----------------------------|---|
| <u>Electrical</u> | | |
| 1 | Frequency Range | 6 – 18 GHz |
| 2 | Saturated Output Power | 12 Watts typical 10 Watts minimum |
| 3 | Small Signal Gain | +43 dB minimum |
| 4 | Power Gain Flatness | Pin: 0 dBm; ≤ ±2.5 dB |
| 5 | IP ₃ | +44 dBm typical |
| 6 | Input VSWR | 2:1 max |
| 7 | Harmonics | ≤ -15 dBc @ 5 Watts |
| 8 | Spurious Signals | ≤ -60 dBc @ 5 Watts |
| 9 | Input/Output Impedance | 50 Ohms nominal |
| 10 | AC Input Power | ≤ 250 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 |
| <u>Mechanical</u> | | |
| 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 |
| <u>Environmental</u> | | |
| 21 | Operating Temperature | 0° C to +50° C |
| 22 | Operating Humidity | 95% Non-condensing |
| 23 | Operating Altitude | Up to 10,000' Above Sea Level |
| 24 | Shock and Vibration | Normal Truck Transport |

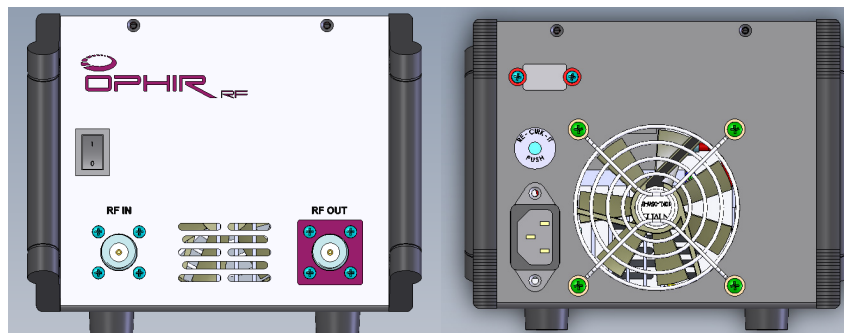
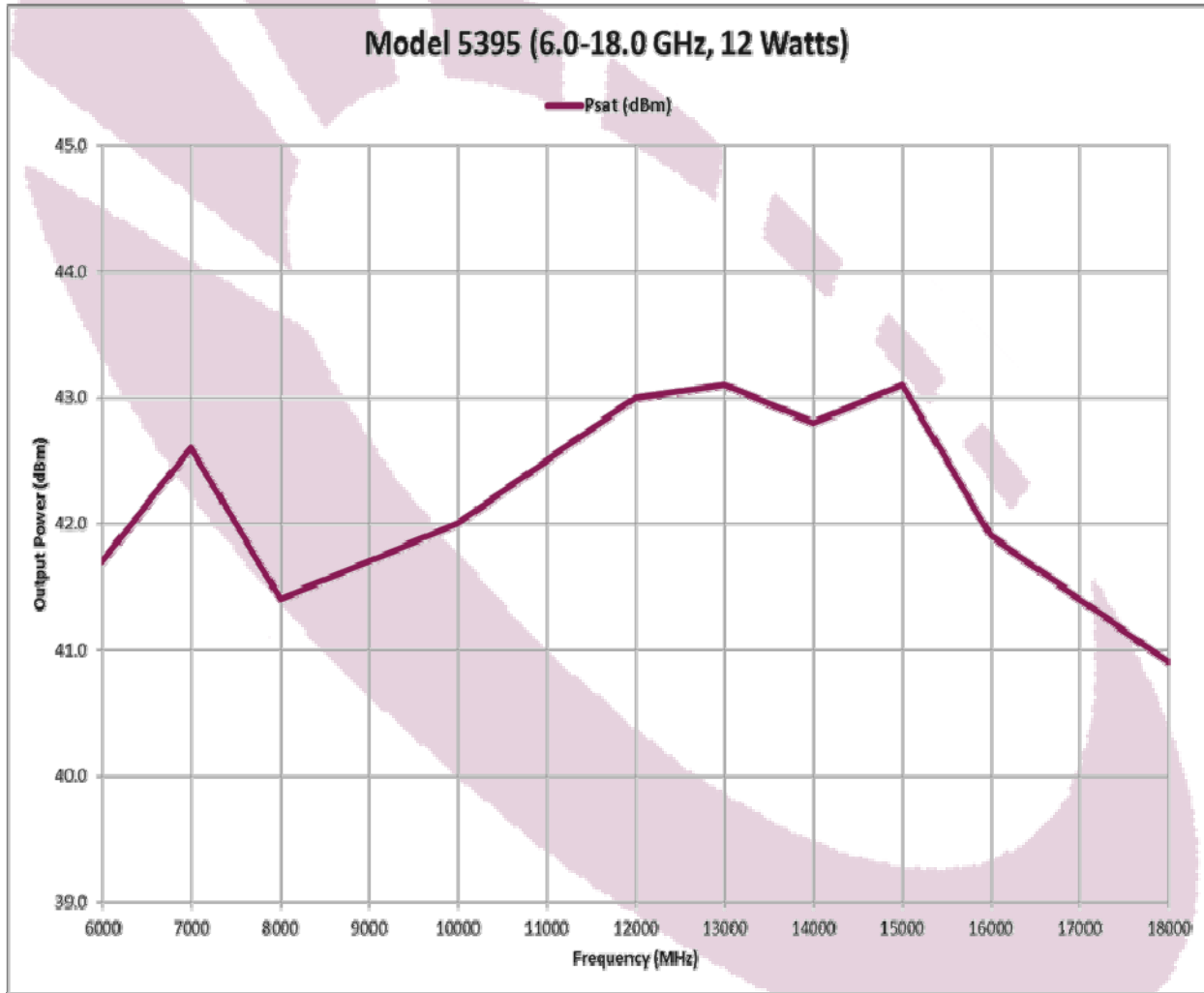
Specifications subject to change without notice





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Front View of Amplifier

Rear View of Amplifier