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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 3<sup>rd</sup> 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>
<b><u>Electrical</u></b>		
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 <sub>3</sub>	+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 <b>0 dBm max</b>
13	RF Input Signal Format	CW/AM/FM/PM/Pulse
14	Class of Operation	A/AB
<b><u>Mechanical</u></b>		
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
<b><u>Environmental</u></b>		
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

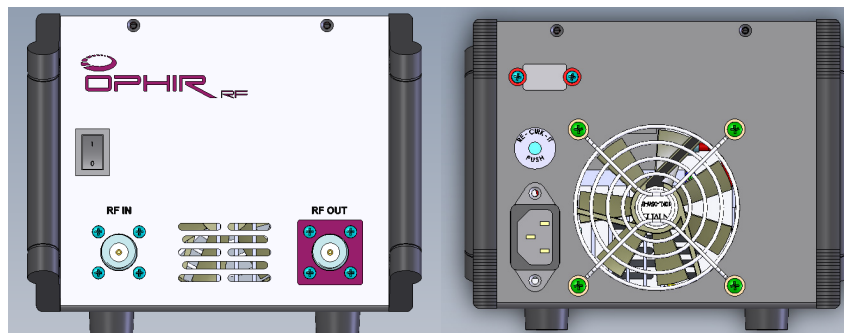
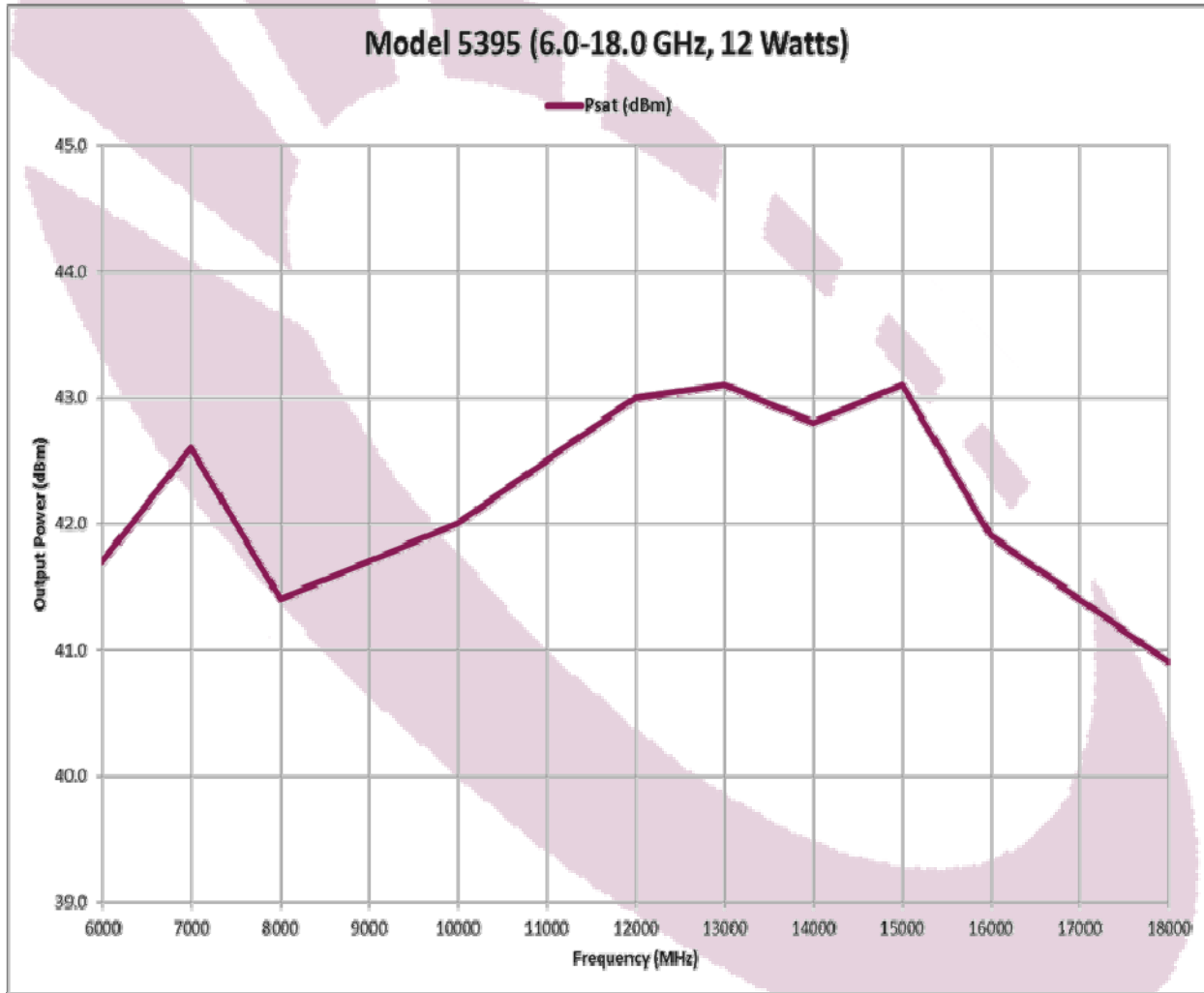
Specifications subject to change without notice





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Front View of Amplifier

Rear View of Amplifier