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MODEL 5139

100 - 500 MHz **600 WATTS**

Solid State **Broadband High Power RF Amplifier**

The 5139 is a 600 Watt broadband amplifier covers the 100 - 500 MHz frequency range. This small lightweight and amplifier utilizes Class A/AB linear power devices that provide 3rd excellent 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 proven operation with reliability. Like all OPHIR_{RF} amplifiers, the 5139 comes with an extended warranty.

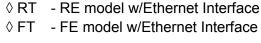
	<u>Parameter</u>	Specification @ 25° C
Electrical		
1	Frequency Range	100 – 500 MHz
2	Saturated Output Power	600 Watts typical
3	Power Output @ 1dB Comp.	375 Watts min
4	Small Signal Gain	+57 dB min
5	Gain Flatness	<u>+</u> 2.0 dB
6	IP ₃	+61 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 375 Watts
9	Spurious Signals	> -60 dBc typical @ 375 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	4000 Watts max
12	AC Input	100 – 240 VAC, single phase
13	RF Input	0 dBm max
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	AB
<u>Mechanical</u>		
16	Dimensions	19" x 8.75" x 20"
17	Weight	80 lb. max
18	Connectors	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.		

CIRCUIT PROTECTIONS

- ♦ Thermal Overload
- ♦ Over Current
- ♦ Over Voltage

ORDERING MODELS

- ♦ R - Rear Panel Connectors
- ◊ F - Front Panel Connectors
- ♦ RE R model w/Control Option
- ♦ FE F model w/Control Option





FE Model Shown