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MODEL 5006-012

**330-370 MHz
600 WATTS
LINEAR POWER RF AMPLIFIER**

Solid State Broadband High Power RF Amplifier

The 5006-012 is a 600 Watt broadband amplifier that covers the 330-370 MHz 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. Like all OPHIR_{RF} amplifiers, the 5006-012 comes with an extended multiyear warranty.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	330 – 370 MHz
2	Saturated Output Power	600 Watts Minimum
3	Power Output @ 1dB Comp.	500 Watts Minimum
4	Small Signal Gain	+58 dB min
5	Gain Flatness	± 1.0 dB
6	IP ₃	+61 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 500 Watts
9	Spurious Signals	< -60 dBc typical @ 500 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	3000 Watts max
12	AC Input	180 – 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
16	Output reflection protection	Output internal circulator
Mechanical		
17	Dimensions	19" x 8.75" x 20"
18	Weight	80 lb. max
19	Connectors	Type-N
20	Grounding	Chassis
21	Cooling	Internal Forced Air
Environmental		
22	Operating Temperature	0° C to +50° C
23	Operating Humidity	95% Non-condensing
24	Operating Altitude	Up to 10,000' Above Sea Level
25	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice.

ORDERING MODELS

- ◇ R - Rear RF Connector Model
- ◇ F - Front RF Connector Model
- ◇ RE - R model with Ethernet, IEEE488 and RS232
- ◇ FE - F model with Ethernet, IEEE488 and RS232

“-012” SPECIAL FEATURES

- ◇ Tuned for optimum performance in the 330-370MHz Band
- ◇ Full VSWR protection by means of internal circulator



FE Model Shown