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MODEL 5006-012

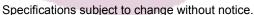
330-370 MHz 600 WATTS LINEAR POWER RF AMPLIFIER

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 amplifier components, this achieves efficiency high operation with proven Like all OPHIR_{RF} reliability. 5006-012 the amplifiers, comes with an extended multiyear warranty.

36.	<u>Parameter</u>	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	<u>+</u> 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
<u>Mechanical</u>		
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
<u>Environmental</u>		
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





FE Model Shown

10/12

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