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MODEL 4124
6.0-12.0 GHz
25 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 4124 is a 25 Watt broadband amplifier that covers the 6.0-12.0 GHz frequency range. This amplifier utilizes Class A/AB power devices that provide a 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 4124 comes with an extended multiyear warranty backed by Ophir RF's commitment to total customer satisfaction.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	6.0-12.0 GHz
2	Power at P _{SAT}	25 Watts Nominal
3	Small Signal Gain	+43 dB min
4	Gain Flatness	± 4.0 dB max
5	IP ₃	+46 dBm typical
6	Input VSWR	2:1 max
7	Harmonics	-15 dBc typical @ 8 Watts
8	Spurious Signals	< -60 dBc typical @ 8 Watts
9	Input/Output Impedance	50 Ohms nominal
10	AC Input Power	750 Watts max
11	AC Input	100 – 240 VAC, single phase
12	RF Input	0 dBm max
13	RF Input Signal Format	CW/AM/FM/PM/Pulse
14	Class of Operation	A/AB
<u>Mechanical</u>		
15	Dimensions	19" x 5.25" x 20"
16	Weight	47 Lbs.
17	Connectors	Type-N
18	Grounding	Chassis
19	Cooling	Internal Forced Air
<u>Environmental</u>		
20	Operating Temperature	0° C to +50° C
21	Operating Humidity	95% Non-condensing
22	Operating Altitude	Up to 10,000' Above Sea Level
23	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice



FE MODEL SHOWN

ORDERING MODELS

- R Rear RF Connector model
- F Front RF Connector model