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MODEL 5296

33.0-35.0 GHz
2 WATTS
LINEAR POWER RF AMPLIFIER

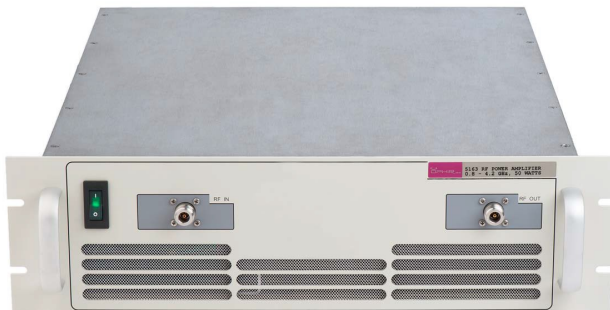
Solid State Broadband High Power RF Amplifier

The 5296 is a 2 Watt broadband amplifier that covers the 33.0-35.0 GHz frequency range. This 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 5296 comes with an extended multiyear warranty backed by Ophir RF's commitment to total customer satisfaction.

	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	33.0-35.0 GHz
2	Saturated Output Power	2 Watts Typical
3	Small Signal Gain	+33 dB Minimum
4	Gain Flatness	± 2.0 dB Maximum
5	IP ₃	+36 dBm typical
6	Input VSWR	2:1 max
7	Harmonics	-20 dBc min @ 0.5 Watts
8	Spurious Signals	< -60 dBc typical @ 0.5 Watts
9	Input/Output Impedance	50 Ohms nominal
10	AC Input Power	50 Watts Maximum
11	AC Input	230VAC, 50 Hz, single phase
12	RF Input	0 dBm Nominal
13	RF Input Signal Format	CW/AM/FM/PM/Pulse
14	Class of Operation	Class A/AB
<u>Mechanical</u>		
15	Dimensions	19" x 5.25" x 24"
16	Weight	60 lb. max
17	RF 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



F MODEL SHOWN

ORDERING MODELS

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

Approved By: _____ Date: _____