



5300 Beethoven Street, Los Angeles, CA 90066
 TEL: (310)306-5556 • FAX: (310)821-7413
 WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 5304049
600-6000 MHz
10 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5304049 is a 10 Watt broadband amplifier that covers the 600-6000 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.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	600 - 6000 MHz
2	Rated Output Power	10 Watts Minimum
3	Pout at P-1dB	6 Watts Minimum
4	Small Signal Gain	+41 dB min
5	Gain Flatness	± 2.5 dB max
6	IP ₃	+45 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 6 Watts
9	Spurious Signals	< -60 dBc typical @ 6 Watts
10	Input/Output Impedance	50 Ohms nominal
11	DC Input Current	4.0 Amps Maximum
12	Efficiency	12% Nominal
13	DC Input	26 Vdc Nominal 28.5Vdc Maximum
14	RF Input	0 dBm Maximum
15	Blanking (Rise/Fall)	10 µSec Maximum
16	RF Input Signal Format	CW/AM/FM/PM/Pulse
17	Class of Operation	A/AB
Mechanical		
18	Dimensions	6" x 3" x 1.1"
19	Weight	1 lb.
20	Connectors	SMA female
21	Grounding	Chassis
22	Cooling	Adequate Heatsink Required
Environmental		
23	Operating Temperature	-40° C to +85° C
24	Operating Humidity	95% Non-condensing
25	Operating Altitude	Up to 40,000' Above Sea Level
26	Shock and Vibration	MIL-STD 810G (Method 514.6)

Specifications subject to change without notice.



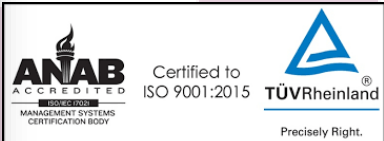
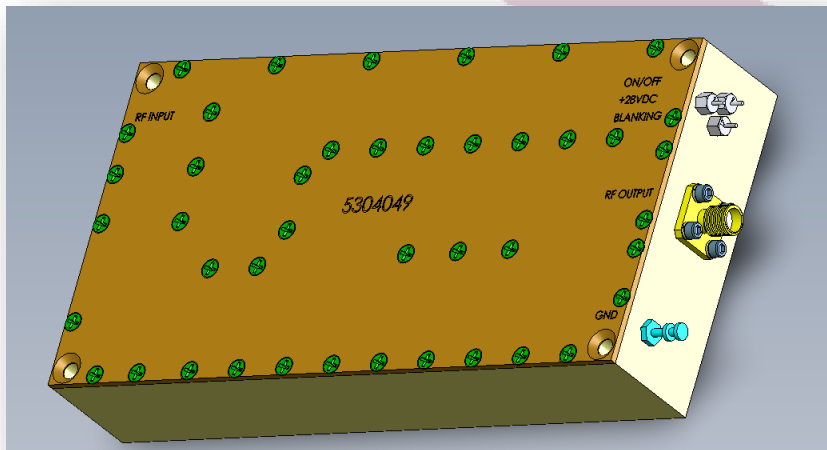
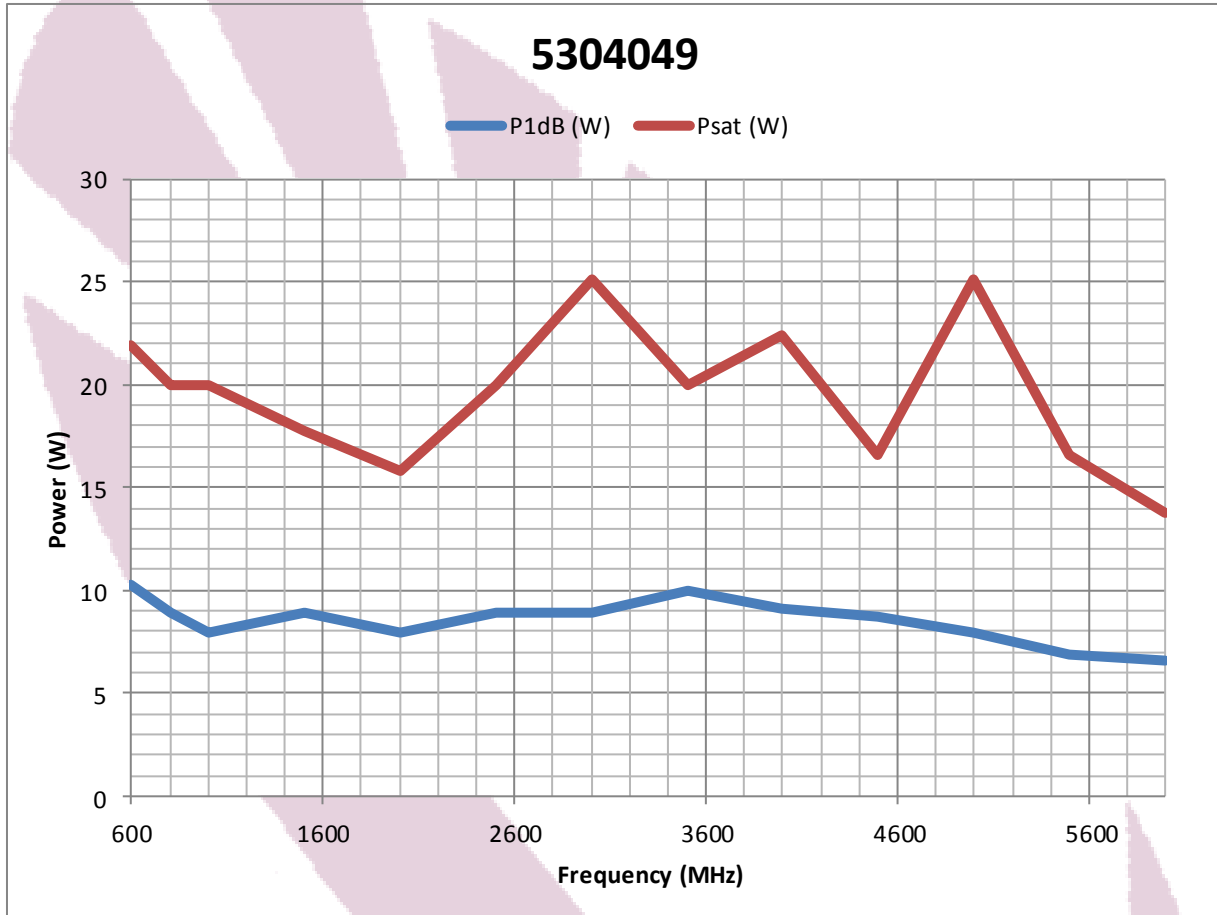
Similar Module Shown

SPECIAL FEATURES	
■	Ultra-Broadband
■	Highly Efficient design for Broadband-width
■	Wide Operating temperature range
■	Small, Compact Form Factor
■	Blanking and On/Off Logic: 3-5Vdc = On/un-blanked; <0.5Vdc or Open = Off/blanked



5300 Beethoven Street, Los Angeles, CA 90066
TEL: (310)306-5556 • FAX: (310)821-7413
WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 5304049
600-6000 MHz
10 WATTS
LINEAR POWER RF AMPLIFIER



MADE IN USA