



5200 Beethoven Street, Los Angeles, CA 90066
 TEL: (310)306-5556 • FAX: (310)821-7413
 WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 5232
140 - 1000 MHz
5000 WATTS
LINEAR POWER RF AMPLIFIER

Solid State Broadband Pulsed High Power RF Amplifier

The 5232 is a very high power, pulsed broadband amplifier that covers the 140 – 1000 MHz frequency range. This amplifier utilizes Class 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 5232 comes backed by Ophir RF's commitment to total customer satisfaction.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	140 – 1000 MHz
2	Power at P _{SAT}	5000 Watts Nominal/ 4000 Watts Minimum
3	Small Signal Gain	+67 dB Minimum
4	Gain Flatness	± 5.0 dB Maximum
5	IP ₃	+64 dBm typical
6	Input VSWR	2:1 max
7	Harmonics	-20 dBc Nominal
8	Spurious Signals	< -60 dBc Nominal
9	Input/Output Impedance	50 Ohms Nominal
10	AC Input Power	5000 Watts Average
11	AC Input	208 VAC 3-Phase @ 30 Amps
12	RF Input	0 dBm max/ +3 dBm Maximum
13	RF Input Signal Format	Pulse
14	Class of Operation	Class AB
<u>Pulse</u>		
15	Pulse Width	1.0 µSec to 50 µSec
16	Pulse Repetition Frequency	1.0 to 1000 Hz
17	Duty Cycle	6.0% Maximum
18	Amplitude Droop	0.5dB Maximum over 50 µSec
19	Rise And Fall Time	200 nSec Maximum 0%-90%
20	Overshoot	10% Maximum
<u>Mechanical</u>		
21	Dimensions	31" x 24" x 31"(H x W x D) 79 x 61 x 79 (H x W x D) cm
22	Weight	350 lbs. / 169 Kg
23	RF Connectors	Type-N Female Input Type 7/16 Female Output
24	Grounding	Chassis
25	Cooling	Internal Forced Air



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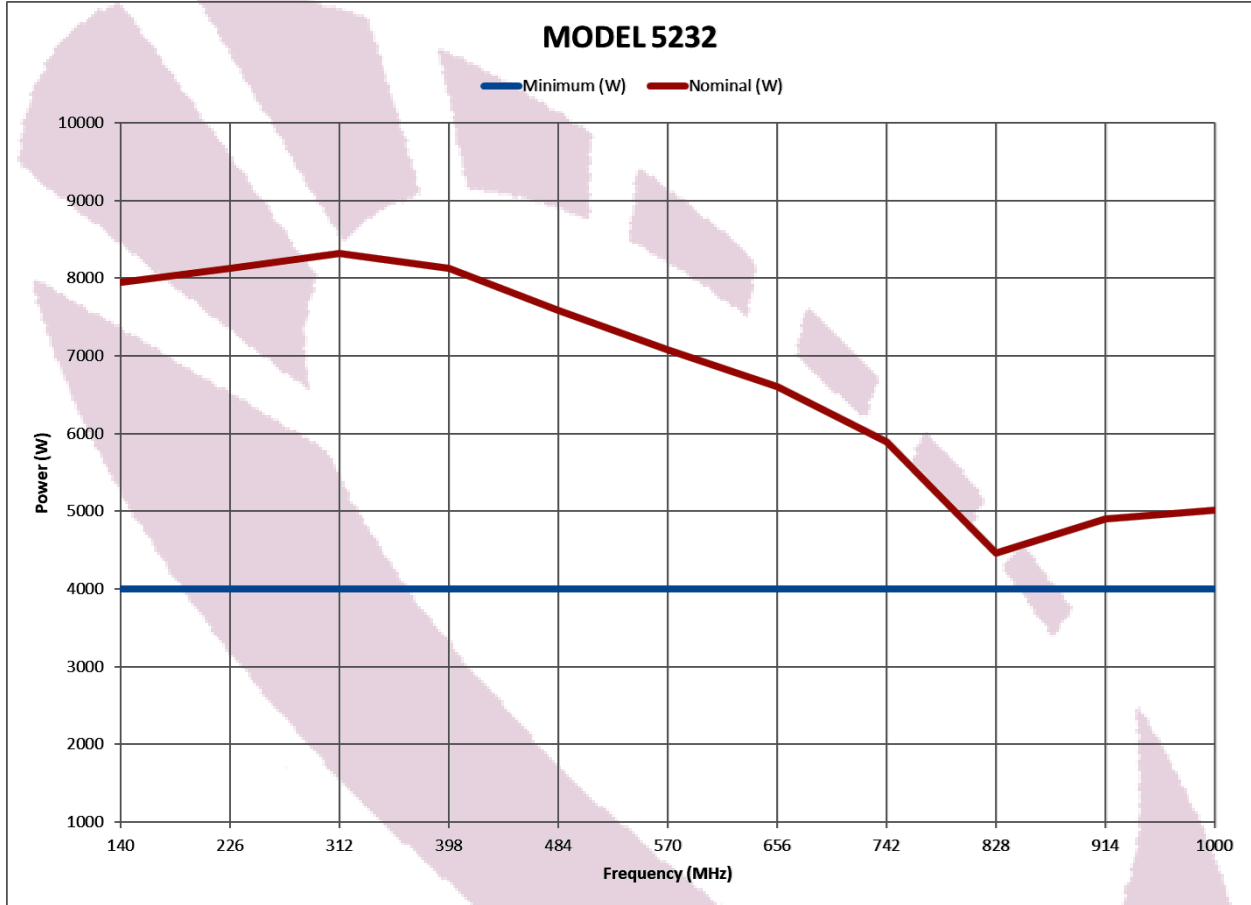
	<u>Parameter</u>	<u>Specification</u>
<u>Environmental</u>		
26	Operating Temperature	0° C to +50° C
27	Operating Humidity	95% Non-condensing
28	Operating Altitude	Up to 10,000' Above Sea Level
29	Shock and Vibration	Normal Truck Transport
<u>Parameter</u>		
<u>Front Panel Controller</u>		
30	Forward Power Monitoring	
31	Reflected Power Monitoring	
32	Gain Control (25 dB dynamic range of adjustment)	
33	Fault Status	
34	Full Protection Of any VSWR Condition, Open or Short, any Phase.	
35	Remote Control Access via the Ethernet, RS-232, or IEEE-488 Communications ports	
36	Integrated Automatic Leveling Control to allow end-user to maintain output even with variances in temperature, or input RF level	
37	Standby/Enable Control	
38	Front Panel Display for easy viewing of System Status Locally	
39	Keypad buttons for full local control	
<u>Circuit Protections</u>		
40	Thermal Overload	
41	Over Current	
42	Over Voltage	
43	Open or Short VSWR Conditions	
<u>Circuit Control</u>		
44	Standby (amplifier disable)	
45	Gain/power setting with 25dB range	
46	VSWR protection Reset	
47	ALC On/ Off	
<u>Circuit Indications</u>		
48	Forward Power	
49	Reflected power	
50	VSWR Fault	
51	Temp Fault	
52	Gain Setting (VVA) percentage	

Specifications subject to change without notice



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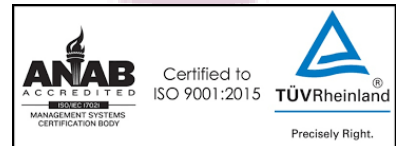
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MADE IN USA



ORDERING MODELS

- RE - Rear RF Connector model with Front Panel Controller Ethernet, IEEE-488 and RS232
- FE - Front RF Connector model with Front Panel Controller Ethernet, IEEE-488 and RS232

0921 Approved By: _____ Date: _____