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 4066

2.4 - 2.5 GHz
300 WATTS
LINEAR POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 4066 is a 300 Watt broadband amplifier that covers the 2.4 – 2.5 GHz 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	2.4 – 2.5 GHz
2	Saturated Output Power	300 Watts min
3	Small Signal Gain	+56 dB min
4	Small Signal Gain Flatness	+/- 1 dB max
5	IP_3	+60 dBm typical
6	Input VSWR	2:1 max
7	Harmonics	-40 dBc minimum
8	Spurious Signals	< -60 dBc typical
9	Input/Output Impedance	50 Ohms nominal
10	VSWR Protection	Protected by Isolator
11	AC Input Power	2000 Watts max
12	AC Input	180 – 264 VAC, single phase
13	RF Input	+10 dBm max
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	A/AB
Mechanical		
16	Dimensions	19" x 7" x 26"
17	Weight	100 lb. max
18	Connectors	Type-N
19	Grounding	Chassis
20	Cooling	Internal Forced Air
Environmental		
21	Operating Temperature	0° C to +50° C
22	Operating Humidity	95% Non-condensing
23	Operating Altitude	Up to 10,000' Above Sea Level
24	Shock and Vibration	Normal Truck Transport

CIRCUIT PROTECTIONS

◊ Thermal Overload
◊ Over Voltage and Current
◊ Over power protection
◊ VSWR protection

CIRCUIT CONTROL

◊ Standby
◊ Gain Control, 20dB range
◊ ALC control

ORDERING MODELS

◊ RE - Rear Panel model with Ethernet, RS232, and IEEE Interface
◊ FE - Front Panel model with Ethernet, RS232, and IEEE Interface

CIRCUIT INDICATIONS

◊ Forward and Reflected power indication
◊ Gain Control, % selection
◊ Web browser interface (Ethernet)

Specifications subject to change without notice

Approved By: _____ Date: _____