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**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 3<sup>rd</sup> 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
<b>Electrical</b>		
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 <sub>3</sub>	+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
<b>Mechanical</b>		
16	Dimensions	19" x 7" x 26"
17	Weight	100 lb. max
18	Connectors	Type-N
19	Grounding	Chassis
20	Cooling	Internal Forced Air
<b>Environmental</b>		
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

- ◇ RT - Rear Panel model with Ethernet, RS232, and IEEE Interface
- ◇ FT - Front Panel model with Ethernet Interface, RS232, and IEEE Interface

### CIRCUIT INDICATIONS

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