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MODEL 4058
2.4 - 2.5 GHz
50 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Band-specific High
 Power RF Amplifier**

The 4058 is a 50 Watt band-specific 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. Like all OPHIR_{RF} amplifiers, the 4058 comes with an extended multiyear warranty.

	Parameter	Specification @ 25 °C
Electrical		
1	Frequency Range	2.4 – 2.5 GHz
2	Saturated Output Power	50 Watts typical
3	Power Output @ 1dB Comp.	40 Watts min
5	Small Signal Gain	+48 dB min
6	Small Signal Gain Flatness	± 0.75 dB max
7	IP ₃	+56 dBm typical
8	Input VSWR	2:1 max
9	Harmonics	-20 dBc typical @ 40 Watts
10	Spurious Signals	> -60 dBc typical @ 40 Watts
11	Input/Output Impedance	50 Ohms nominal
12	AC Input Power	200 Watts max
13	AC Input	100 – 240 VAC, single phase
14	RF Input	+10 dBm max.
15	RF Input Signal Format	CW/AM/FM/PM/Pulse
16	Class of Operation	A/AB
Mechanical		
17	Dimensions	19" x 3.5" x 18"
18	Weight	30 lb. max
19	Connectors	Type-N
20	Grounding	Chassis
21	Cooling	Internal Forced Air
Environmental		
22	Operating Temperature	0° C to +50° C
23	Operating Humidity	95% Non-condensing
24	Operating Altitude	Up to 10,000' Above Sea Level
25	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice.

CIRCUIT PROTECTIONS

- Thermal Overload
- Over Current
- Over Voltage

ORDERING MODELS

- R - Rear Panel Connectors
- F - Front Panel Connectors
- RE - R model w/Control Option
- FE - F model w/Control Option
- RT - RE model w/Ethernet Interface
- FT - FE model w/Ethernet Interface



RE Model Shown