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MODEL 4035

2 - 30 MHz
100 WATTS

Solid State Band-Specific High Power RF Amplifier

Model 4035 is a 100 Watt band-specific amplifier that covers the 2 – 30 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. Like all OPHIR_{RF} amplifiers, the 4035 comes with an extended multiyear warranty.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	2 – 30 MHz
2	Saturated Output Power	100 Watts typical
3	Power Output @ 1dB Comp.	60 Watts min
4	Small Signal Gain	+50 dB min
5	Small Signal Gain Flatness	± 0.75 dB max
6	IP ₃	+53 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 60 Watts
9	Spurious Signals	-60 dBc typical @ 60 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	400 Watts max
12	AC Input	100 – 240 VAC, single phase
13	RF Input	0 dBm max
14	RF Input Signal Format	CW/AM/FM/PM
15	Class of Operation	A/AB
Mechanical		
16	Dimensions	19" x 3.5" x 18"
17	Weight	35 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

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



FE Model Shown

Approved By: _____ Date: _____