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MODEL 4015

**800 - 1000 MHz
60 WATTS
LINEAR POWER RF AMPLIFIER**

Solid State Band-specific High Power RF Amplifier

The 4015 is a 60 Watt band-specific amplifier that covers the 800 – 1000 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 4015 comes with an extended multiyear warranty.

	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	800 – 1000 MHz
2	Saturated Output Power	60 Watts typical
3	Power Output @ 1dB Comp.	30 Watts min
4	Small Signal Gain	+48 dB min
5	Small Signal Gain Flatness	± 1.5 dB max
6	IP ₃	+51 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 30 Watts
9	Spurious Signals	< -60 dBc typical @ 30 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	500 Watts max
12	AC Input	100 – 240 VAC, single phase
13	RF Input	0 dBm typical
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	AB
16	Output Reflection	Can Handle Full Reflection
<u>Mechanical</u>		
17	Dimensions	19" x 3.5" x 18"
18	Weight	28 lb. max
19	Connectors	Type-N
20	Grounding	Chassis
21	Cooling	Internal Forced Air
<u>Environmental</u>		
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

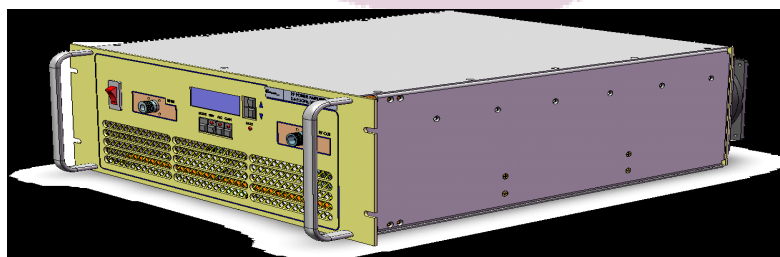
- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ Full Output Reflection

CIRCUIT CONTROL (w Controller Option)

- ◇ Standby (amplifier disable)
- ◇ Gain/power setting with 25dB range
- ◇ ALC On/ Off

CIRCUIT INDICATIONS (w Controller Option)

- ◇ Forward Power
- ◇ Reflected power
- ◇ Temp Fault
- ◇ Gain Setting (VVA) percentage



ORDERING MODELS

- ◇ RE - R model with Ethernet, IEEE488 and RS232
- ◇ FE - F model with Ethernet, IEEE488 and RS232