MODEL 5155

0.8 - 2.5 GHz
250 WATTS
LINEAR POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5155 is a 250 Watt broadband amplifier that covers the 0.8 – 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 5155 comes with an extended multiyear

	Parameter	Specification @ 25°C
Electrical		
1	Frequency Range	0.8 – 2.5 GHz
2	Saturated Output Power	250 Watts minimum
3	Small Signal Gain	+55 dB min
4	Power flatness	+/- 0.75 dB max in ALC mode +/- 1.2dB max in normal mode
5	Small signal Gain Flatness	+/- 1.5 dB max in ALC mode +/- 3 dB max in normal mode
6	Input VSWR	2:1 max
7	Harmonics	-15 dBc typical
9	Spurious Signals	> -60 dBc typical
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	4000 Watts max
12	AC Input	100 – 240 VAC, single phase
13	RF Input	+0 dBm maximum
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	A/AB
Mechanical		
16 *	Maximum Dimensions	24" x 30" x 30"
17 *	Maximum Weight	325 lb. max
18	Connectors	Type-N
19	Grounding	Chassis
20	Cooling	Internal Forced Air
Environmental		
21	Operating Temperature	0º C to +50º 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