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MODEL 5303115
2.0 - 6.0 GHz
40 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5303115 is a 40 Watt broadband amplifier that covers the 2.0 – 6.0 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 5303115 comes with an extended multiyear warranty.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	2.0 – 6.0 GHz
2	Saturated Output Power	40 Watts Minimum
3	Small Signal Gain	+47 dB min
4	Gain Flatness	± 1.5 dB max
5	IP ₃	+49 dBm typical
6	Input VSWR	2:1 max
7	Harmonics	-20 dBc typical
8	Spurious Signals	> -60 dBc typical
9	Input/Output Impedance	50 Ohms nominal
10	DC Input Current	9.0 Amps max
11	DC Input	28 VDC nominal
12	RF Input	0 dBm max
13	RF Input Signal Format	CW/AM/FM/PM/Pulse
14	Class of Operation	A/AB
15	Blanking Speed	5uSec
Mechanical		
16	Dimensions	8" x 4" x 1"
17	Weight	3 lbs
18	Connectors	SMA Female RF in and Out Feedthrus for DC and Control
19	Grounding	Chassis
20	Cooling	Adequate Heatsink Required
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.



Not Actual Product

03/09

Approved By: _____ Date: _____