



5300 Beethoven Street, Los Angeles, CA 90066
 TEL: (310)306-5556 • FAX: (310)821-7413
 WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 5902063-002

**800 - 810 MHz
 40 WATTS
 LINEAR POWER RF AMPLIFIER
 WITH HEATSINK**

Solid State Band-specific High Power RF Amplifier

The 5902063-002 is a 40 Watt band-specific amplifier that covers the 800 – 810 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 5902063-002 comes with an extended multiyear warranty.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	800 – 1000 MHz
2	Saturated Output Power	40 Watts typical
3	Power Output @ 1dB Comp.	25 Watts min
4	Small Signal Gain	+44 dB min
5	Gain Flatness	± 1.5 dB max
6	IP ₃	+50 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 25 Watts
9	Spurious Signals	> -60 dBc typical @ 25 Watts
10	Input/Output Impedance	50 Ohms nominal
11	DC Input Current	5 Amps max
12	DC Input	28 VDC nominal
13	RF Input	0 dBm Max
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	AB
Mechanical		
16	Dimensions	8.75" x 6.2" x 3.5"
17	Weight	5 lb. max
18	Connectors	SMA female
19	Grounding	Chassis
20	Cooling	Adequate Heatsink Required
Environmental		
21	Baseplate 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.



Approved By: _____ Date: _____