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## MODEL: 5803072-306

**198—204 MHz**  
**200 WATTS**  
**LINEAR POWER RF AMPLIFIER**

### Solid State Band-Specific High Power RF Amplifier

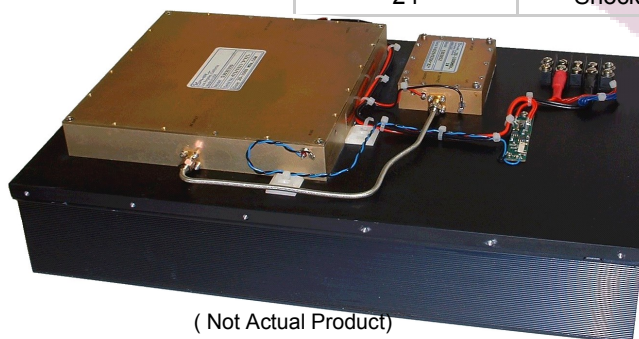
The 5803072-306 is a heatsink assembly which consists a final stage module. An optional Driver, 5303006A, can be included to achieve full gain

This system provides 200 Watts across the 198—204 MHz frequency range. This small and lightweight system utilizes Class A/AB linear power devices that provide an excellent 3<sup>rd</sup> order intercept point, high gain (with optional Driver), 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<sub>RF</sub> amplifiers, the 5803072-306 comes with an extended warranty.

	Parameter	Specifications @ 25° C
<b>Electrical</b>		
1	Frequency Range	198—204 MHz
2	Saturated Output Power	200 Watts min.
3	Power Output @ 1dB Comp.	125 Watts min
4	Small Signal Gain	+13dB min. +54 dB min w/ Optional Driver
5	Gain Flatness	± 1.0 dB max
6	IP <sub>3</sub>	+60 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 125 Watts
9	Spurious Signals	-60 dBc typical @ 125 Watts
10	Input/Output Impedance	50 Ohms nominal
11	DC Input Current	25 Amps w/o Optional Driver
12	DC Inputs	28 VDC nominal
13	RF Input	+44dBm 0 dBm nominal w/ Optional Driver
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	AB
<b>Mechanical</b>		
16	Dimensions (with Heatsink)	9.8" x 16.0" x 4.1"
17	Weight (with Heatsink)	20 lbs. max
18	RF Connectors	RF input: SMA female RF output: N-type female
19	Grounding	Chassis
20	Cooling	Adequate Airflow Required
<b>Environmental</b>		
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



( Not Actual Product )

### FEATURES:

Heatsink and fans included.

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_