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MODEL 5303136

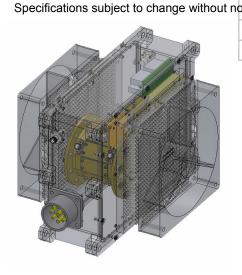
6.0-18.0 GHz 30 WATTS LINEAR POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5303136 is a 30 Watt broadband amplifier that covers the 6.0-18.0 GHz frequency range. This small and lightweight amplifier utilizes Class A/AB linear power devices that provide 3rd an excellent order intercept point, high gain, and a wide dynamic range.

Due to robust engineering and employment of the most advanced devices and amplifier components, this achieves high efficiency operation with proven reliability. Like all OPHIR_{RF} amplifiers, the 5303136 comes the OPHIR_{RF} total commitment to quality

1		<u>Parameter</u>	Specification @ 25° C			
E	lectrical					
	1	Frequency Range	6.0-18.0 GHz			
	2	Saturated Output Power	30 Watts typical			
3		Small Signal Gain	+40 dB min			
	4	Stability	Stable into any load			
	5	Gain Flatness	<u>+</u> 3.0 dB max			
6		*IP ₃	+43 dBm typical			
7		Output VSWR	1.5:1 typical			
8		Input VSWR	1.5:1 typical			
9		Harmonics	-40 dBc max @ 10 Watts			
10		Spurious Signals	< -60 dBc max			
11		Gain Stability over Temperature	+/- 2.8dB			
12		Input/Output Impedance 50 Ohms nomina				
13		Power Supply	230VDC, 50Hz Optional 28VDC or 48VDC			
	14	RF Input Signal Format	CW/AM/FM/PM/Pulse			
<u>M</u> e	<u>echanical</u>					
	15	Connectors	SMA female			
16		I/O Connector	MS-3102 Bulkhead Connector for Power			
		Grounding	Chassis			
	18	Cooling	Adequate Heatsink Required (Included), with fans (Included)			
Env	ironmental					
	19	Baseplate Temperature	-20° C to +60° C			
otice.	20	Operating Humidity	95% Non-condensing			
	21	Operating Altitude	Up to 10,000' Above Sea Level			
	22	Shock and Vibration	Normal Truck Transport			



48.0 Psat (dBm)									
47.0									
46.0									
45.0	and a second								
44.0									
43.0									
42.0	8.0	10.0	12.0	14.0	16.0	18.0			

0712 Approved By: ______ Date: _____