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MODEL 5303116
2.0-6.0GHz
80 WATTS
HIGH POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5303116 is a 80 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.

	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	2.0-6.0 GHz
2	Output power @ Psat	80 Watts Minimum
3	Small Signal Gain	+50 dB min
4	Power Gain Flatness	+/-3.0dB max
5	Input Return loss	-10dB max
6	Harmonics	-20 dBc Maximum
7	Spurious Signals	-60 dBc max
8	Input/Output Impedance	50 Ohms nominal
9	DC Input Power	20 A max
10	DC Input	28 V
11	RF Input Power	0 dBm Maximum
12	RF Input Signal Format	CW/AM/FM/PM/Pulse
13	Class of Operation	A/AB
14	Module Blanking Rise and Fall Time	TTL : 5V for enable 5 u Seconds
<u>Mechanical</u>		
15	Dimensions	10" x 12" x 1"
16	Weight	11lb. max
17	Connectors	SMA RF Input and Output Feedthrus for DC and Control
18	Grounding	Chassis
19	Cooling	Adequate Heatsink Required
<u>Environmental</u>		
20	Ambient Temperature	0° C to + 50° C
21	Operating Humidity	95% Non-condensing
22	Operating Altitude	Up to 10,000' Above Sea Level
23	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice

