

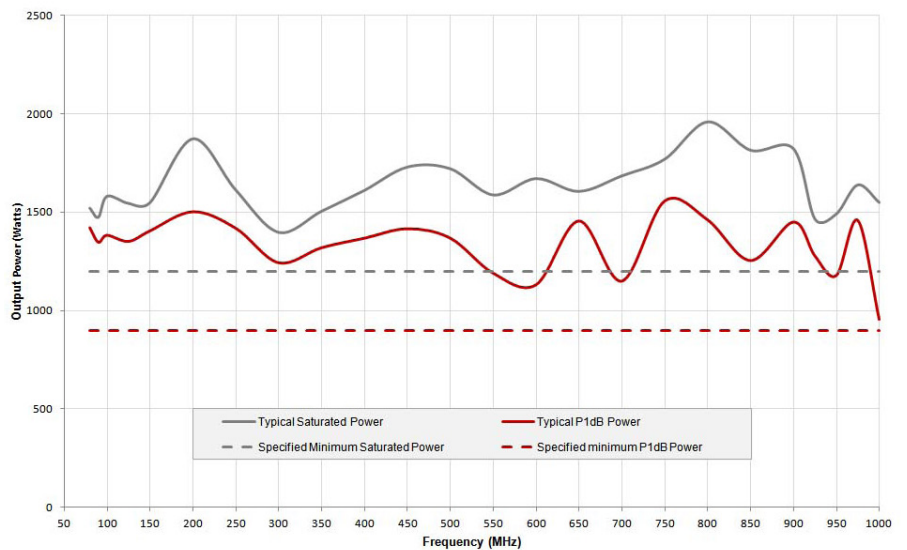


CBA 1G-1200B 80 MHz TO 1 GHz 1200 WATT BROADBAND POWER AMPLIFIER

- Compact Design
- Touch Screen Color Display
- Input Overdrive Protection
- USB, Ethernet, GPIB, RS232 Interface
- Built in Calibrated Directional Coupler

New, high power density, design has allowed us to produce a 1200 watt 80 MHz to 1 GHz amplifier in a compact 10 U package. With a minimum of 900 watts of linear power this amplifier is ideal for RF immunity testing to various industry standards such as IEC 61000-4-3, MIL-STD 461, ISO 11452 and RTCA DO 160. Compatible with a wide range of available antenna and test systems such as the Teseq NSG 4070 and ITS 6006 these amplifiers can be easily built into integrated test systems. The touch screen colour display gives an immediate visual indication of forward and reverse power along with the current operating status of the amplifier and access to diagnostic information such as gate current and heatsink temperature.

Fan speed adjusts depending on the heatsink temperature thus ensuring the minimum audio noise level possible in the operating environment. The inbuilt calibrated directional coupler provides a quick and easy way to monitor forward and reflected power with any power meter. Input over-drive protection prevents damage to the input devices due to accidental high input power. Multiple remote interfaces are available as standard including USB, GPIB, RS232 and Ethernet. Amplifier gain can be controlled either remotely through one of the available interfaces or via the front panel touch screen.



CBA 1G-1200B

80 MHZ TO 1 GHZ 1200 WATT BROADBAND POWER AMPLIFIER

Key Parameters	
Frequency	80 MHz to 1 GHz
Saturated Power	1200 Watts (minimum)
Power at P1 dB	900 Watts (minimum)
Gain	60 dB
Gain Flatness	+/-3 dB (maximum)

Additional RF Data	
Harmonics at 900 W	-20 dBc
Maximum Input without Damage	+10 dBm
Spurious	-50 dBc
Stability	Unconditionally stable
Load VSWR without damage (All Phase Angles)	Infinite
Load VSWR without foldback (All Phase Angles)	4:1
RF Input	Type N (socket)
RF Output	Type N (socket)
Gain Control	0–30 dB in 255 steps

Impedance/VSWR	
Output Impedance	50 Ω
Input VSWR	2:1
Output VSWR	2:1

Interfaces and Electrical	
Interface	Touch screen, GPIB, RS232, Ethernet & USB
Safety Interlock	BNC Connector, Open for Standby
Supply Voltage	3 Phase 100-110 or 220-240 Vac Line-Neutral To be specified with order
Supply Frequency	47–63 Hz
Supply Power Requirement	<8.5 kVA

Physical and Environmental	
Dimensions	10U, 19 Inch Rack width, 686 mm deep
Weight	92 kg
Temperature Operational	0°C–40°C
Temperature Non Operating	-40°C–85°C
Humidity (Non Condensing)	95%

Options: To be specified at time of ordering		
Rear Panel RF Connectors	110-115Vac	CBA 1G-1200B-7-10
Front Panel RF Connectors	110-115Vac	CBA 1G-1200B-7
Rear Panel RF Connectors	220-240Vac	CBA 1G-1200B-6-10
Front Panel RF Connectors	220-240Vac	CBA 1G-1200B-6

Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.

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