

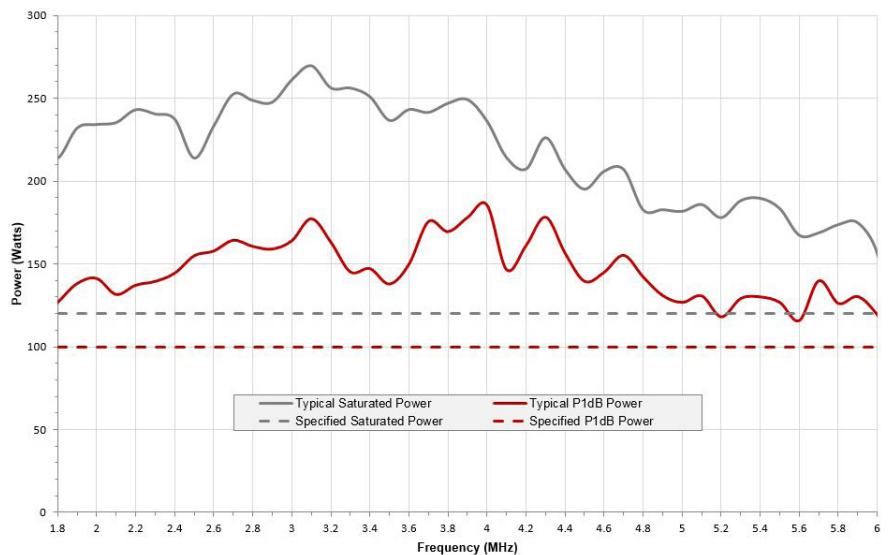


## CBA 6G-0120B 1.8 GHz TO 6 GHz 120 WATT SINGLE BAND POWER AMPLIFIER



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

New, high power density, design has allowed us to produce a 120 watt, 1.8GHz to 6GHz amplifier in a compact 7U package. With a minimum of 100 watts of linear power this amplifier is ideal for RF immunity testing in a GTEM Cell or with a wide range of available horn antenna such as the Teseq BHA range. Readily integrated with the Teseq ITS6006 80MHz to 6GHz test system these amplifiers can form part of a broadband test system. The new 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 heatsink temperature thus ensuring the minimum audio noise level possible in the operating environment. The inbuilt calibrated forward power coupler provides a quick and easy way to monitor forward power with any power meter. Multiple remote interfaces are available as standard including USB, GPIB, RS232, Ethernet.





## CBA 6G-0120B 1.8 GHz TO 6 GHz 120 WATT SINGLE BAND POWER AMPLIFIER

### Key Parameters

Frequency	1.8 GHz to 6.0 GHz
Saturated Power	120 Watts (minimum)
Power at P1 dB	100 Watts (minimum)
Gain	50 dB
Gain Flatness	+/-3 dB (maximum)

### Additional RF Data

Harmonics at 100 W	-20 dBc
Maximum Input without Damage	+15 dBm
Spurious	-70 dBc
Stability	Unconditionally stable
Load VSWR without damage (All Phase Angles)	Infinite
Load VSWR without fold back (All Phase Angles)	Infinite
RF Input	Type N (socket)
RF Output	Type N (socket)

### Impedance/VSWR

Output Impedance	50 $\Omega$
Input VSWR	2:1
Output VSWR	2.3:1

### Interfaces and Electrical

Interface	Touch screen, GPIB, RS232, Ethernet & USB
Safety Interlock	Rear Panel Mounted BNC-female
Supply Voltage	90–264 Vac
Supply Frequency	47–60 Hz
Supply Power Requirement	<1.4 kVA

### Physical and Environmental

Dimensions	7U, 19 Inch Rack width, 527 mm deep
Weight	50 kg
Temperature Operational	0°C–40°C
Temperature Non Operating	-40°C–70°C
Humidity (Non Condensing)	95%

### Options: To be specified at time of ordering

Rear Panel RF Connectors	CBA 6G-120B-10
Front Panel RF Connectors	CBA 6G-120B

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We're there where you need us.  
See details on the last page.

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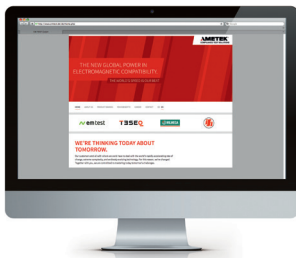
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