



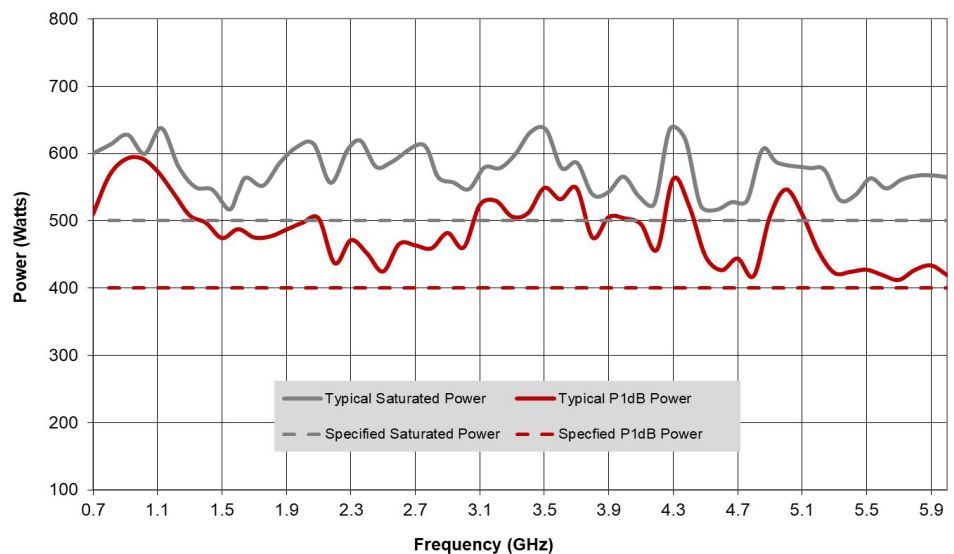
CBA 6G-400D 1.0 GHz TO 6.0 GHz 400 WATT SINGLE BAND POWER AMPLIFIER



Our high power density, design has allowed us to produce a 400 watt, 1.0GHz to 6.0GHz amplifier in a compact 16U or 20U Rack. With a minimum of 400 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 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.

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





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Key Parameters

Frequency	1.0 GHz to 6.0 GHz
Saturated Power	500 Watts (minimum)
Power at P1 dB	400 Watts (minimum)
Gain	56 dB
Gain Flatness	+/-3 dB (maximum)

Additional RF Data

Harmonics at 400 W	-18 dBc (Typical)
Maximum Input without Damage	+10 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 7/16 (socket)

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	Rear Panel Mounted BNC-female
Supply Voltage	3 Phase 200-240 VAC Line to Line (Delta) 3 Phase 380-415 VAC Line to Line +N (Star) Specified when ordered
Supply Frequency	47-60 Hz
Supply Power Requirement	<5.5 kVA

Physical and Environmental

Dimensions	20U, 19 Inch Rack width, 615 mm deep
Weight	160 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-400D-10
Front Panel RF Connectors	CBA 6G-400D

CONTACT US!

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



Advanced Test Solutions for EMC

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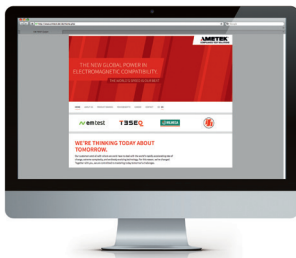
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