



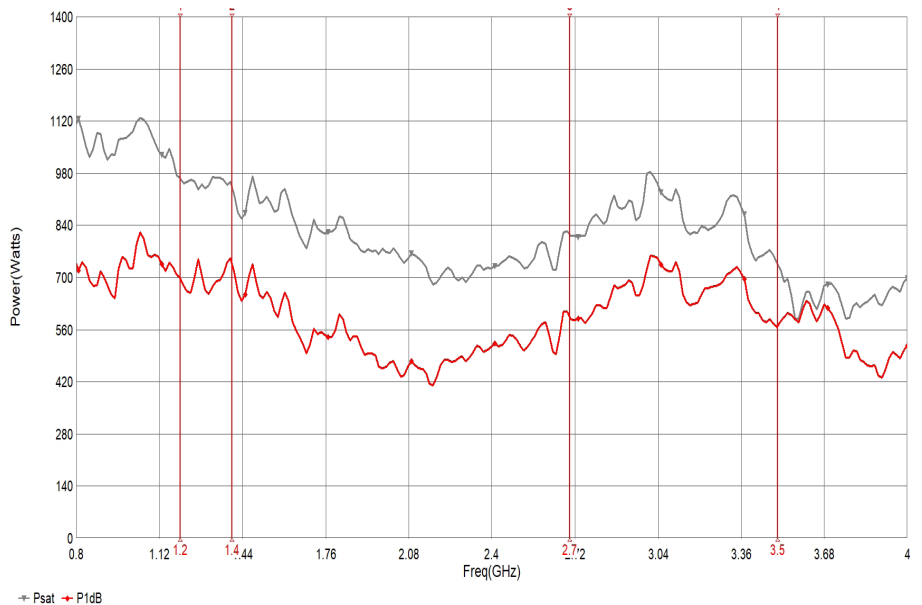
## CBA 4G-900/600R 0.8 GHz TO 4.0 GHz 900W/600W SINGLE BAND SOLID STATE POWER AMPLIFIER



Our high-power density, design has allowed us to produce a 0.8GHz to 4.0GHz amplifier in a compact 20U Rack. With a minimum of 400 watts of linear power CW and 900/600 watts of saturated CW power over the frequency ranges of 1.2-1.4GHz and 2.7-3.5GHz. This amplifier is ideal for RF immunity testing and coupled with a wide range of available horn antenna makes this amplifier particularly suited for Radar Automotive Pulse Testing. Readily integrated with the Teseq ITS6006 80MHz to 6GHz test system these amplifiers can form part of a broadband test system. The touch screen color 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





## CBA 4G-900/600R 0.8 GHz TO 4.0 GHz 900/600W SINGLE BAND POWER AMPLIFIER

### Key Parameters

Frequency	0.8 GHz to 4.0 GHz
Radar Tuned Saturated Power (CW)	900W / 1.2-1.4GHz & 600W / 2.7-3.5GHz (min)
Saturated Power (CW)	500 Watts (minimum)
Power at P1dB (CW)	400 Watts (minimum)
Gain	60 dB

### 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 $\Omega$
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 4G-900/600R-10
Front Panel RF Connectors	CBA 4G-900/600R

## CONTACT US!

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



Advanced Test Solutions for EMC

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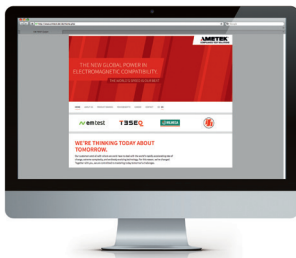
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