



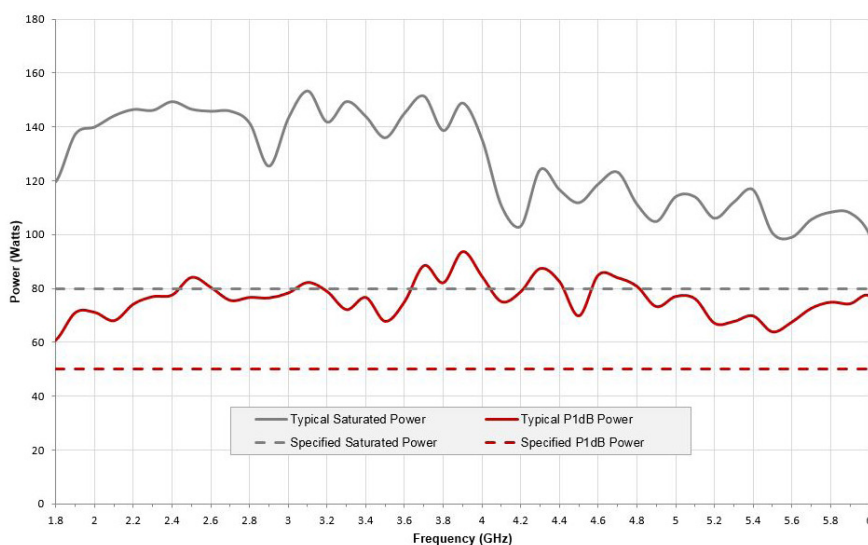
## CBA 6G-080D 1.8 GHz TO 6 GHz 80 WATT SINGLE BAND POWER AMPLIFIER



- 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 80 watt, 1.8GHz to 6GHz amplifier in a compact 4U package. With a minimum of 50 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 and Ethernet. The amplifier is designed for a simple upgrade to higher power levels by the addition of extra power modules into the existing mainframe.





## CBA 6G-080D 1.8 GHz TO 6 GHz 80 WATT SINGLE BAND POWER AMPLIFIER

### Key Parameters

Frequency	1.8 GHz to 6.0 GHz
Saturated Power	80 Watts (minimum)
Power at P1 dB	50 Watts (minimum)
Gain	47 dB
Gain Flatness	+/-3 dB (maximum)

### Additional RF Data

Harmonics at 50 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	<0.7 kVA

### Physical and Environmental

Dimensions	4U, 19 Inch Rack width, 615 mm deep
Weight	25 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-080D-10
Front Panel RF Connectors	CBA 6G-080D

## CONTACT US!

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



Advanced Test Solutions for EMC

## OUR SALES & SERVICE CENTERS

### China

#### **AMETEK Commercial Enterprise (Shanghai) Co. Ltd.**

Beijing Branch  
Western Section, 2nd Floor  
Jing Dong Fang Building (B10)  
Chaoyang District  
Beijing, China, 100015  
T +86 10 8526 2111  
[chinasales@ametek.com](mailto:chinasales@ametek.com)

#### **Shanghai Office:**

Part A1, A4, 2nd floor, Building No. 1  
No. 526 Fute 3rd Road East  
Pilot Free Trade Zone, Shanghai 200131,  
China  
T +86 21 5868 5111

#### **Guangzhou Office:**

Room 1410-12, Yian Plaza  
33 Jian She Liu Ma Road  
Guangzhou, China  
T +86 20 8363 4768

### Germany

#### **AMETEK CTS Europe GmbH**

Lünener Straße 211  
59174 Kamen, Deutschland  
T +49 2307 26070-0  
[sales.cts.de@ametek.com](mailto:sales.cts.de@ametek.com)

### Great Britain

#### **AMETEK (GB) Ltd. t/a Teseq**

5 Ashville Way, Molly Millars Lane  
Wokingham  
Berkshire RG41 2PL  
Great Britain  
T +44 845 074 0660  
[ametekgb.service@ametek.com](mailto:ametekgb.service@ametek.com)

### Japan

#### **AMETEK Co. Ltd.**

##### **Tokyo office**

3rd floor, Shiba NBF Tower,  
1-1-30 Shiba-Daimon, Minato-ku  
Tokyo, 105-0012, Japan  
T +81 3 6809 2401  
[cts-japan.sales@ametek.com](mailto:cts-japan.sales@ametek.com)

##### **Nagoya Office**

1-329 Kifune Meito-ku Nagoya-shi  
Aichi-ken, 465-0058, Japan  
T +81 52 709 5501

### Poland

#### **AMETEK CTS Europe GmbH**

Biuro w Polsce  
ul. Ogrodowa 31/35  
00-893 Warszawa, Polen  
T +48 518 643 512  
[infopolska.cts@ametek.com](mailto:infopolska.cts@ametek.com)

### Singapore

#### **AMETEK Singapore Pte. Ltd.**

No. 43 Changi South Avenue 2  
#04-01 Singapore 486164  
T +65 6484 2388  
[singaporesales.cts@ametek.com](mailto:singaporesales.cts@ametek.com)

### Taiwan

#### **AMETEK Taiwan Corp. Ltd.**

10F-5, No. 120, Sec 2,  
GongDaoWu Rd.,  
Hsinchu City 30072, Taiwan  
T +886 3 57 5099  
[taiwan.sales.cts@ametek.com](mailto:taiwan.sales.cts@ametek.com)

### USA

#### **AMETEK CTS US**

52 Mayfield Avenue  
Edison, New Jersey 08837, USA  
T +1 732 417 0501  
Toll free: +1 888 417 0501  
[usasales.cts@ametek.com](mailto:usasales.cts@ametek.com)

## CARE TO LEARN MORE ABOUT AMETEK CTS.

With service and sales centers  
in Germany, Switzerland,  
China, Japan, Singapore, the  
USA and Great Britain, and  
accredited labs across the globe,  
we're where you need us.



**GET MORE INFO ABOUT US AT:**  
[www.ametek-cts.com](http://www.ametek-cts.com)

The contacts of our global  
distribution partners could be  
found at [www.teseq.com](http://www.teseq.com)