



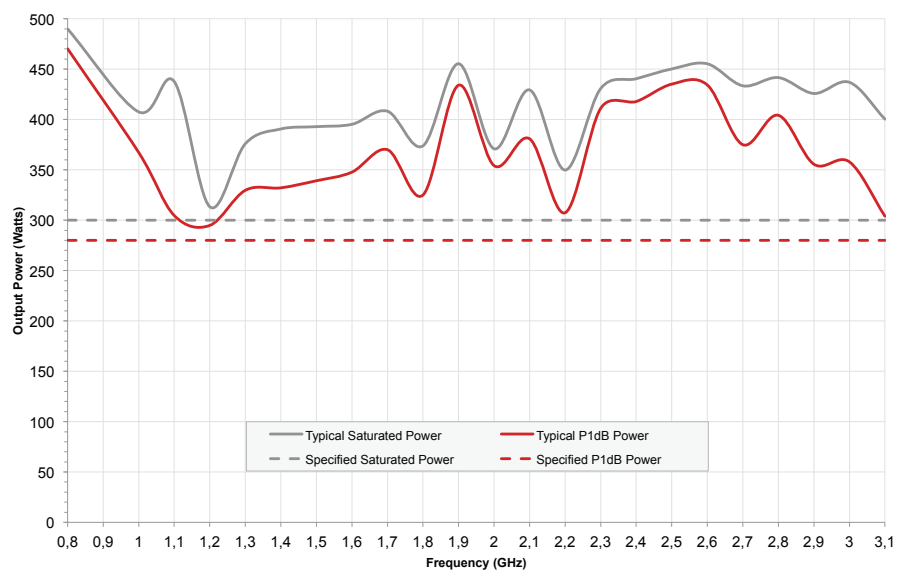
CBA 3G-300B 800 MHz TO 3.1 GHz 300 W BROADBAND POWER AMPLIFIER



- Compact Design
- Touch Screen Color display
- Input over-drive protection
- USB, Ethernet, GPIB and RS232 interface
- Gain Control
- Three year warranty

New, high power density, design has allowed us to produce a 300 W 800 MHz to 3.1 GHz amplifier in a compact 6U package. With a minimum of 280 W of linear power this amplifier is ideal for RF immunity testing to various industry standards such as IEC61000-4-3, MIL-STD 461, ISO11452 and RTCA DO160. Compatible with a wide range of available antenna such as the Teseq CBL or BHA range and test systems such as the Teseq NSG4070 and ITS 6006 these amplifiers can be easily built into integrated test systems. 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 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 3G-300B 800 MHz TO 3.1 GHz 300 W BROADBAND POWER AMPLIFIER



Key Parameters	Minimum	Maximum	Nominal
Frequency	800 MHz	3.1 GHz	
Saturated Power	300 W		360 W
Power at P1 dB	280 W		300 W
Gain	54 dB	60 dB	57 dB
Gain Flatness		+/-3 dB	

Additional RF Data	
Harmonics at 280 W	-20 dBc
Maximum Input without Damage	+20 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	90–264 V ac
Supply Frequency	47–63 Hz
Supply Power Requirement	2 kVA

Physical and Environmental	
Dimensions	6U, 19 Inch Rack width, 610 mm deep
Weight	36 kg
Temperature Operational	0°C–40°C
Temperature Non Operating	-40°C–85°C
Humidity (Non Condensing)	95%

CONTACT US!

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

CBA 3G-300B
800 MHZ TO 3.1 GHZ 300 W
BROADBAND POWER AMPLIFIER



Options: To be specified at time of ordering

Rear Panel RF Connectors	CBA 3G-300B-10
Front Panel RF Connectors	CBA 3G-300B

CONTACT US!

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



Advanced Test Solutions for EMC



Accelonix BV

Luchthavenweg 18b • NL-5657 EB •

Eindhoven • The Netherlands •

T: +31 40 750 1650 • E: info@accelonix.nl

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@teseq.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 Germany GmbH

Lünener Straße 211
59174 Kamen, Deutschland
T +49 2307 26070-0
sales.cts.de@ametek.com

Great Britain

AMETEK (GB) Ltd. trading as Teseq

5 Ashville Way, Molly Millars Lane
Wokingham
Berkshire RG41 2PL
Great Britain
T +44 845 074 0660
teseq-uk.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

Nagoya Office

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

Poland

AMETEK CTS Germany GmbH

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

Singapore

AMETEK Singapore Pte. Ltd.

No. 43 Changi South Avenue 2
#04-01 Singapore 486164
T +65 6484 2388
singapore.sales.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

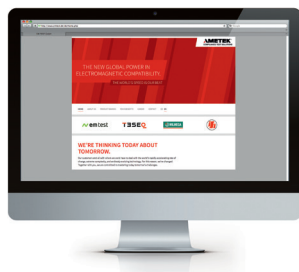
USA

Teseq Inc. / AMETEK CTS

52 Mayfield Avenue
Edison, New Jersey 08837, USA
T +1 732 417 0501
Toll free: +1 888 417 0501
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. Like our multinational customers, AMETEK CTS is international. And we're as local as the three-man engineering office around the corner that needs help dealing with an EMC issue.



GET MORE INFO ABOUT US AT:
www.ametek-cts.com

The contacts of our global distribution partners could be found at www.teseq.com