

Power Amplifier 150kHz - 1GHz 15W

CBA 9477B

- **Reliable**
- **Variety of applications in EMC testing**
- **Protected outputs for EMC test loads**

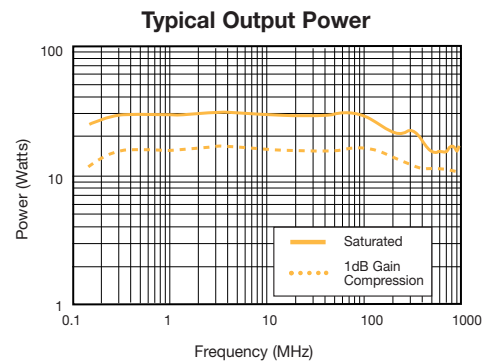


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Model CBA 9477B is a Solid-State Class A amplifier capable of generating 15W minimum power over the 150kHz-1000MHz frequency range. The unit is powered from a switched mode power supply for high efficiency, high power factor and universal line operation. The unit is air cooled with integral fans and is protected against faulty cooling by excess temperature sensing. A front panel indicator is provided to indicate over-temperature. The amplifier is designed for rugged operation into a variety of loads, and will tolerate even an '∞ - 1' load VSWR.

The amplifier is primarily intended for use as a power source for EMC susceptibility testing but is also applicable to other systems requiring a wide-band linear amplifier.

This graph shows figures based on 'typical', commercially available, transducers used in accordance with IEC 61000-4-3 and IEC 61000-4-6 and indicates the linear power required from the amplifier to achieve stress levels as defined by the standard in Volts per metre or Volts emf as appropriate.



Technical Specifications

CBA 9477B

Saturated output power		15W min
Linear power (<1dB gain comp)	150kHz - 1000MHz	10W min
Gain		40dB min
Gain flatness		±2dB
Input return loss		10dB min
Output impedance		50Ω nominal
VSWR mis-match tolerance		∞ : 1
Harmonics at rated power		-20dBc
Input and output connectors		type N female
Power supply		85-264V ac, 45-63Hz, 200VA max
Temperature range		0 to +40°C
Dimensions		19" rack, 3U
Depth		440mm max
Weight		10kg max