Power Amplifier 80 - 1000MHz 100W

CBA 9413B

- **Class A**
- **Reliable**
- **Tested and matched to EMC transducers**
- **Safe operation into open-circuit and short-circuit**

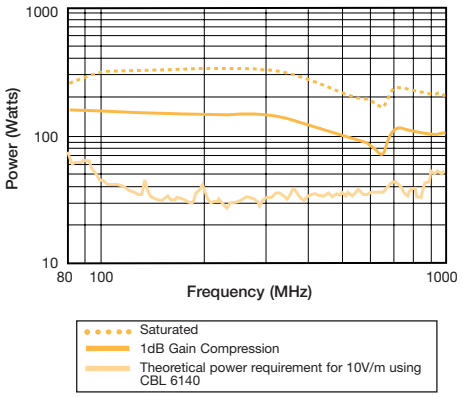


CBA 9413B

Models CBA 9413A ia a Solid-State Class A amplifier capable of generating 100W and 30W minimum power repectively, over the 80 - 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 are protected against faulty cooling by excess temperature sensing.
A front panel indicator is provided to indicate over-temperature. The amplifiers are 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 are also applicable to other systems requiring a wide-band linear amplifier.

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

Typical Power Output



Technical Specifications		CBA 9413B
Saturated output power		100W min
Linear power (<1dB gain comp)	80MHz - 300MHz	140W min
	300MHz - 1GHz	60W min
Gain		55dB min
Gain flatness		±2dB
Input return loss		10dB min
Output impedance		50Ω nominal
VSWR mis-match tolerance		∞ : 1
Harmonics at rated power and 1dB gain compression		-20dBc
Input and output connectors		type N female
Safety interlock		BNC female, s/c to mute, 100mA max
Power supply		90-265V ac, 47-63Hz, 1kW max
Temperature range		0 to +40°C
Dimensions		19" rack, 4U
Depth		492mm max
Weight		17kg max