Power Amplifier 150kHz - 230MHz 20W

CBA 9424

- **Reliable**
- **Tested and matched to EMC antennas**
- **Protected outputs for EMC test loads**

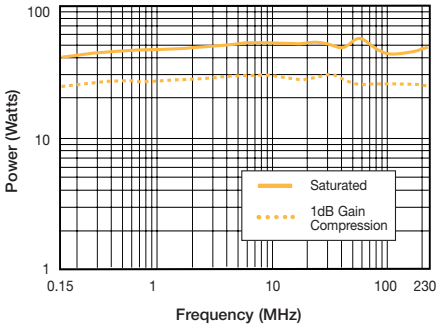


CBA 9424

Model CBA 9424 is a Solid-State Class A amplifier capable of generating 20W minimum power over the 150kHz-230MHz 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 (lower right) 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 9424
Saturated output power		20W min
Linear power (<1dB gain comp)	150kHz - 230MHz	15W min
Gain		46dB 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		9kg max