Power Amplifier 1 - 400MHz 100W

CBA 9423

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

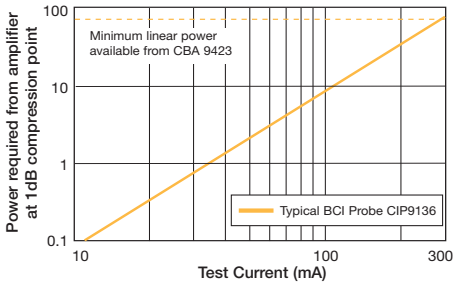


CBA 9423

Model CBA 9423 is a Solid-State, Class A amplifier capable of generating 100W minimum power over the 1-400MHz 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 safety interlock connector is provided, which the user can short circuit to ground, to turn off the amplifier. Front panel indicators are 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.

Linear Power Output required to achieve various levels in an Automotive BCI system



Technical Specifications		CBA 9423
Saturated output power		100W min
Linear power (<1dB gain comp)	1MHz - 400MHz	70W min
Gain		50dB 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
Power supply		90-265V ac, 45-63Hz, 1KVA max
Temperature range		0 to +40°C
Dimensions		19" rack, 4U
Depth		492mm max
Weight		17kg max