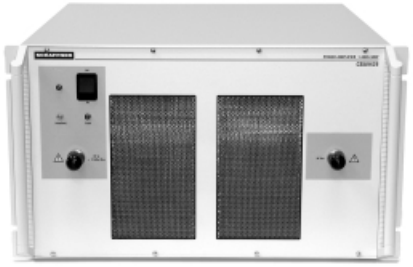
Broadband Power Amplifier 0.8 - 3GHz 75W

CBA 9429

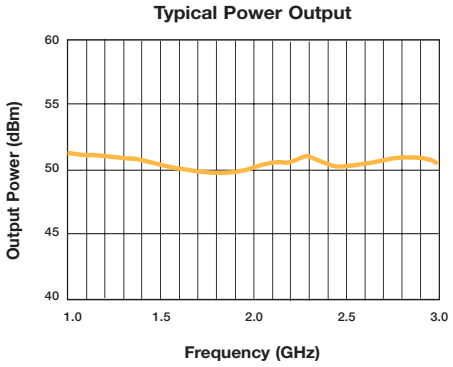
- **Reliable Class A**
- **Ideal for broadband communications applications**
- **Tested and matched to EMC applications**
- **Safe operation into open-circuit and short-circuit**



CBA 9428

The CBA 9429 is a solid-state amplifier capable of generating 75W minimum power over a 0.8 - 3 GHz frequency range. The unit is powered from a switched mode power supply for high efficiency, high power factor and wide voltage range 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 and RF interlock. The amplifier is designed for rugged operation into a variety of loads. 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.

The CBA 9429 is based on GaAs technology, and is BeO free.



Technical Specifications	CBA 9429
Saturated output power	75W minimum power
Linear power (<1dB gain comp)	60W minimum
Gain	49dB minimum
Gain ripple	±3dB maximum
Input return loss	10dB minimum
Output return loss	10dB minimum
VSWR mis-match tolerance	infinity:1
Harmonics	-20dBc maximum at rated power
Input and output connectors	type N female
Safety interlock	BNC female, s/c to mute, 10mA max
Power supply	85-264V ac, 47-63Hz, 1kVA maximum
Temperature range	0 to +40ºC
Dimensions (Equipment is housed in a 19 inch 6U rack)	Depth: 560mm max
Weight	31kg