



MCA804/B Receiver Multicoupler **800 MHz service band.**

Description

The MCA804/B is a specially designed multicoupler for use in the 800 MHz service band for radio monitoring and signal surveillance. Its high performance and rugged design will meet the most stringent commercial and government requirements.

MCA804/B can support up to four (4) devices such as radios or spectrum analyzers. The four outputs has a gain of +4 dB with a nominal impedance of 50 Ohm. The input circuitry features a 3 pole micro- stripline filter to shape the band-pass of the unit and to provide for out-of-band signal rejection.

The MCA804/B is constructed in a rugged die cast aluminum enclosure with mounting flanges. Black powder coating is standard with olive drab (green/Mil) available on QTY 5 and up.

DC power required is +12 Volts (nominal) at 75 mA.
A wall adapter (110 VAC/+12 VDC-300 mA) is supplied for the North American market.
Optional EMI/RFI filtered DC feed thru for hard wiring is also available.

Specifications	
Frequency Range:	830 MHz to 910 MHz
-2dB Bandwidth:	850 MHz to 890 MHz
Gain:	+4 dB (nominal)
P1dB:	+14 dBm
IP3:	+27 dBm
Pass Band Ripple:	+/- 2 dB
Noise Figure:	3.5 dB (nominal/50 Ohm terminated)
RF Connectors:	BNC
DC Connection:	5.5mm/2.1mm (coaxial)
DC Power:	+12 VDC at 75 mA
Enclosure:	Die Cast Aluminum / Black Powder Coating
EMI/RFI Shielding:	75 dB min. at 870 MHz
Size:	5.5 x 2.25 x 1.25 Inches (excluding connectors)

