

EM-4212 | Amplifier, Broadband



Description

The EM-4212 Broadband Amplifier is a very wide band, low noise, high gain amplifier. This device will improve the sensitivity of nearly any receiving device. It is useful in improving the Noise Figure of typical low gain antenna and receiver combinations. This amplifier can be used with any 50 ohm passive transducer. The small size and light weight of this device lends it to be easily positioned very near the receive device, where it can provide the greatest improvement in signal acquisition capability.

Requires a 15 VDC power source.



Specifications

Electrical

Frequency range: 100 MHz – 18 GHz

Noise Figure: 2.4 dB (typical)

Gain: 22 dB (typical)

Flatness: ± 1.5 dB (typical)

VSWR: 2.5:1 (maximum)

1 dB compression point:
+10 dBm @ 1dB compression

Power Consumption:
225 mA @ 15VDC, max

Mechanical

Height: 1.5"

Width: 1.5"

Length (incl. connectors): 3.6"

Weight: 4.2 oz./57 grams

Ref: 150511

Specifications subject to change without notice.
Unless otherwise specified, product is manufactured in
Johnstown, NY USA.

