

EM-4211 | Preamplifier, Broadband



Description

The EM-4211 Broadband Preamplifier is a very wide band, low noise, and high gain preamplifier. 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 preamplifier 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 12V DC power source.



Specifications

Electrical

Frequency Range: 2-18 GHz

Noise Figure: 3.5 dB (typical)

Gain: 21 dB (typical)

Flatness: ± 1.5 dB (typical)

VSWR: 2.0:1:1 (maximum)

1 dB compression point:

+13 dBm @ 1dB compression

Power Consumption:

150 mA @ 12 VDC maximum

Connector: SMA

Mechanical

Height: 1.5"

Width: 1.5"

Length (incl. connectors): 3.6"

Weight: 4.2 oz./57 grams

Ref: 100901

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

