

## EM-4206 | Preamplifier, Broadband Power



### Description

The EM-4206 is a quality broadband power preamplifier with high performance. The EM-4206 is suitable for a number of applications to improve sensitivity of EMI analyzers, spectrum analyzers, oscilloscopes and many other devices without distortion of amplitude accuracy. Calibrated gain read out chart provided with each unit.

### Specifications

#### Electrical

**Frequency Range:** 9 kHz-1 GHz

**Gain:** 26 dB Typical

**Impedance:** 50 ohms Nominal

**Noise Figure:** 4 dB Typical above 100 kHz

**Flatness:**  $\pm 1.5$  db

**Power Out:** +8 dBm Typical  
(at 1 dB compression)

**2nd Order Intercept:** 30-43 dBm Typical

**3rd Order Intercept:** 20 dBm Typical

**Connector:** TNC

#### Mechanical

**Length:** 302 mm (11-7/8")

**Width:** 208 mm (8-13/16")

**Height:** 148 mm (5-13/16")

**Weight:** 3.2 kg (7 lbs.)

**Power Requirements:** 115/220 VAC, 50/60 Hz

Ref: 110323

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

