

## EM-2107A | Shielding Effectiveness/Conductivity Test



### Description

The EM-2107A is a standard test fixture for evaluation of the electromagnetic shielding effectiveness of planar material. The fixture is an enlarged section of coaxial transmission line and complies fully with the requirements of ASTM test method D4935-1. The measured data relates to the shielding effectiveness due to a plane wave (far field EM wave) from which near field values for magnetic and electric fields may be inferred. The EM-2107A is provided with a reference standard test specimen, a dynamic range specimen, and a load specimen. Dynamic range of greater than 80dB is achievable, although the cables and other test system components usually establishes the limiting factors.

### Specifications

#### Electrical

**Frequency Range:** 30 MHz – 1500 MHz

**Impedance:**  $50\Omega \pm 0.5\Omega$

**Connector:** Type N (male)

#### Mechanical

##### Dimensions:

Length: 40.5 cm (16")

Diameter: 13.5 cm (5.3")

**Weight:** 12 kg (26.5 lbs.)

##### Included Accessories:

Three Specimen:

Reference Specimen

Load Specimen

Dynamic Range Specimen

DC-8GHz 10dB Attenuator (QTY 2)

##### Optional Accessories:

EM-6138 Support Stand for EM-2107A

EM-1302-1-29.7 0.75m Cable, N(m) to N(f)

Specifications subject to change without notice, unless otherwise specified. Product is manufactured in Johnstown, NY, U.S.A.

