

EM-6878 | Antenna, Loop



Description

The EM-6878 Loop Antenna performs magnetic field measurements from 9 kHz to 30 MHz. A ten-position rotary switch is used to switch in the appropriate matching network for the frequency selected. The antenna is calibrated for and can be used with any 50-ohm receiver/analyzer system. The bottom of the base contains a 5/8-11 threaded receptacle for mounting to the Model EM-6136-1 Tripod. Optional inserts can be purchased to reduce to a standard 1/4 -20 thread.

Applications

The EM-6878 uses passive circuitry to transform magnetic field components between 9 kHz and 30 MHz to a voltage output for use by any 50-ohm input receiving system. The EM-6878 is particularly suited for application in military EMI specification compliance testing, such as is outlined in the various revisions of MIL-STD-461.

Specifications

Electrical

Frequency Range: Calibrated	9 kHz – 30 MHz
Input Impedance:	Matched to 50 Ohms
Connector:	Type TNC female

Mechanical

Outside Diameter:	432 mm (17")
Height:	50.8 cm (20")
Weight:	3.5 kg (7.7 lbs.)

Antenna Factor Chart furnished with antenna

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

