EM ANTENNAS

DATASHEET

EM-6865 | Antenna, Omni-Directional Wideband

Description

The EM-6865 Omni-Directional Wideband Antenna is capable of operating as either a transmitting or receiving antenna over the 2 to 18 GHz frequency range.

The EM-6865 consists of two-brass conical elements connected point-to-point to form a hourglass shaped antenna element. The center conductor of a rigid coaxial cable is connected to the upper cone, while the shield is connected to the lower cone. The cable connects to a Type “N” (female) connector fastened to a phenolic base plate.

A 25.4 cm (10”) support rod provides a means for mounting the antenna to any tripod with a 1/4-20 mount.

The length of the support rod allows a microwave amplifier to be connected directly to the output connector of the antenna, reducing the potential signal loss compared to an amplifier connected at another point in the signal path.

Specifications

Electrical

Frequency Range:	2 GHz – 18 GHz
Polarization:	Vertical
Output Impedance:	50 Ohms, nominal
VSWR, average:	< 2:1
Gain:	0 dBi, typical
Connector:	Type N, female
Continuous Power:	5 W

Mechanical

Diameter:	10.16 cm (4")
Length, Support Rod:	25.4 cm (10")
Height, Shield Tube:	7.62 cm (3”)
Overall Height:	33.0 cm (13”)
(Antenna & Support Rod)	
Weight:	45 kg (1 lb.)
Rod Mounting:	Standard ¼ - 20 Thread
Also available EM-6865-1 with SMA connector.	

Ref: 160921

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

MADE IN USA

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