EM-6172 | Antenna, Omni-Directional Super-Wideband Flat Panel

Specifications

Electrical

Frequency Range: 20 MHz - 23GHz
Impedance: 50 Ohms, nominal
VSWR:: ≤ 2:1 over 98 % of the frequency range
Gain: -45 dBi, typical @20 MHz
-24 dBi typical @ 80 MHz
-5 dBi typical @ 200 MHz
> -5 dBi typical 200 MHz to 23 GHz

Connectors: Type SMA female

Continuous Power: 5 W

Mechanical

Length: 35.6 cm (14 ”)
Width: 55.88 cm (22”)
Thickness: 3.18 cm (1.25”)
Weight: 1.14 kg (2.5 lb.)

Features

- Small size
- Super wide frequency coverage
- Omni-directional response in Azimuth
- Compatible with any 50 ohm instrument
- Mounts in any plane
- Weather resistant design

Description

The EM-6172 Omni-Directional, Linearly polarized, Super-Wideband Antenna is capable of operating as either a transmitting or receiving antenna over the 20 MHz to 23 GHz frequency range. The antenna is enclosed in a flat, weather resistant radome, for indoor or outdoor use. The antenna covers this large frequency range with 3 distinct elements, the outputs terminating in SMA female connectors. Recess-mounted into one of the antenna panel edges, the connectors are hidden from frontal view to improve appearance and minimize the possibility of tampering.