

EMC Wideband Antenna MTA-60-3000

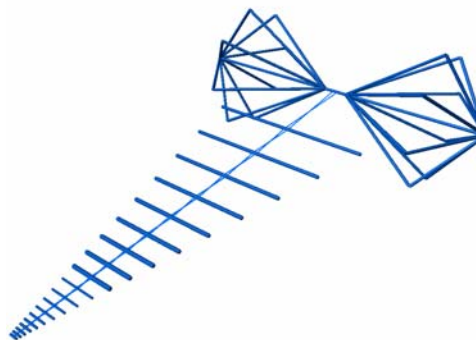
MTS-No. 65.10.0050

Application

For the measurement of radio disturbances the standard CISPR 16 1-4 demands polarized wideband antennas. The antenna may not influence the total characteristics of the measurement receiver und must be alignable into it's polarization direction.

Description

The EMC Wideband Antenna type MTA-60-3000 fulfills the requirements of the CISPR 16-1-4 for the frequency range of 60 MHz to 3000 MHz.



Technical data

1 RF-specifications:

| | |
|---------------------|--|
| 1.1 Impedance | 50 Ω nom. |
| 1.2 Frequency range | 60 MHz to 3000 MHz 20 MHz to 3000 MHz (effective use) |
| 1.3 VSWR input | 60 MHz - 3000 MHz <1 : 2,0 20 MHz - 60 MHz >1 : 2,0 |
| 1.4 Gain | 8 dBi typ. |
| 1.5 Power handling | 500 W (CW) 1000 W (peak) |
| 1.6 Polarization | Linear, manual changeable |
| 1.7 Technology | Hybrid |

2 Connectors:

| | |
|-------------------|--|
| 2.1 Antenna | N female |
| 2.2 Tripod socket | 5/8"-thread (tripod), bore holes 10 mm (4 pcs.) |

3 General specifications:

| | |
|---|------------------|
| 3.1 Operating temperature | +5 °C to +60 °C |
| 3.2 Storage temperature | -30 °C to +70 °C |
| 3.3 Reference temperature of specifications | +5 °C to +60 °C |

| | |
|----------------|--|
| 3.4 Dimensions | 1900 x 1335 x 400 mm, (without connections) 1900 x 610 x 40 mm (transportation) |
| 3.5 Material | Aluminium and brass |
| 3.6 Colour | Powder-coating RAL 5012 |
| 3.7 Weight | 5,0 kg |

4 Delivered parts:

MTA-60-3000
Tripod attachment
CD-ROM with manual, VSWR diagram and correction values

5 Comments:

| | |
|--------------------------|-----------|
| Warranty | 12 months |
| RoHS compliant | Yes |
| Intervall of calibration | 12 months |

6 Recommended accessories:

Measurement cable assemblies
Tripod
Preamplifier