

DR-01

Double-ridged horn antenna 6 to 18 GHz



Main Features

- 6 to 18 GHz frequency range
- Excellent antenna factor and VSWR
- Tripod adapter for easy vertical-horizontal polarization change
- Individual calibration
- Robust, rustproof construction
- Lightweight

DR-01 is a broadband, double-ridged horn antenna designed for radiated emissions and immunity testing.

The N connector is mounted along the antenna axis, allowing direct connection, without cable or adapters, to the 18 GHz EMI receiver model 9180, which features full CISPR 16-1-1 compliance and an internal preamplifier.

The antenna/receiver combination can be easily installed on a tripod or mast and connected by fiber optic cable to the main model 9010F unit, thus increasing sensitivity and reducing overall uncertainty.*

DR-01 can be used in conjunction with any receiver or spectrum analyzer.

*The direct connection between antenna and PMM receiver eliminates additional sources of uncertainties due to coaxial cable attenuation and scattering. For further information and for the range 30 MHz to 6 GHz please consult our brochure "Fully CISPR-Compliant Digital EMC/EMI receivers 10 Hz to 18 GHz".

DR-01

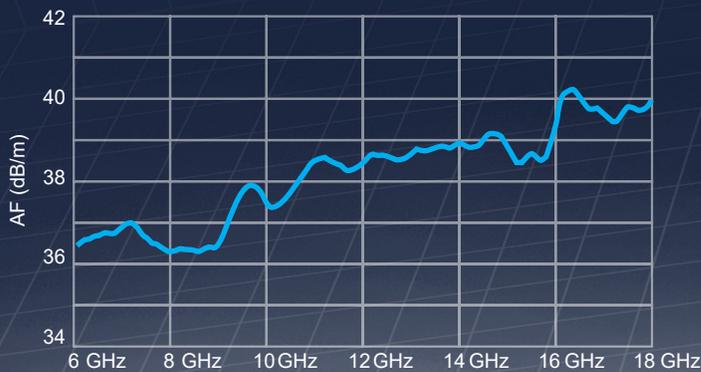
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SPECIFICATIONS

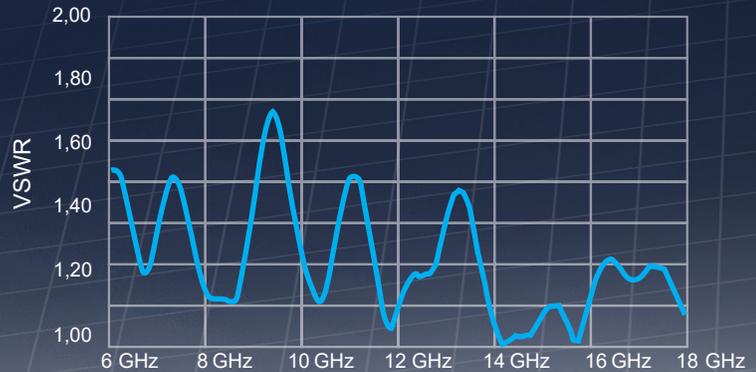
Frequency range	6 to 18 GHz
Impedance	50 Ω nominal
Gain	9 to 16 dBi
Antenna factor	36 to 41 dB/m
VSWR	< 2 (1,8:1 typical)
Beam width	E-plane 33°
3 dB @ 12 GHz	H-plane 38°
Max input power	150 W
Connector	N male
Dimensions (L x H x W)	137 x 44 x 55 mm
Weight	250 g
Colour	RAL 7035



DR-01 Installed on EMI Receiver model 9180



DR-01 - Antenna Factor



DR-01 - VSWR

Ordering information:

DR-01 Double-ridged Antenna

Includes: user's manual, carrying case 170/30N, mounting support, calibration report, N(f)-N(f) adapter

Related products and services

Receivers

- 7010/01: EMI Receiver 9 kHz to 1 GHz
- 7010/03: EMI Receiver 9 kHz to 3 GHz
- ER8000/00 EMI Receiver 9 kHz to 30 MHz
- ER8000/01 EMI Receiver 9 kHz to 3 GHz
- ER9000/00 EMI Receiver 10 Hz to 30 MHz
- ER9000/01 EMI Receiver 10 Hz to 3 GHz
- 9010F: EMI Receiver 10 Hz to 30 MHz
- 9010/03P: EMI Receiver 10 Hz to 300 MHz
- 9010/30P: EMI Receiver 10 Hz to 3 GHz
- 9010/60P: EMI Receiver 10 Hz to 6 GHz
- 9030: EMI Receiver 30 MHz to 3 GHz
- 9060: EMI Receiver 30 MHz to 6 GHz
- FR4003: Field Receiver 9 KHz to 30 MHz

Antennas

- BC-01: Biconical Antenna 30 to 200 MHz
- BL-01: Biconical Log Periodic Antenna 30 MHz to 6 GHz
- LP-02: Log Periodic Antenna 200 MHz to 3 GHz
- LP-03: Log Periodic Antenna 800 MHz to 6 GHz
- LP-04: Log Periodic Antenna 200 MHz to 6 GHz
- TR-01: Antenna Tripod
- VDH-01: Van der Hoofden Test Head 20 kHz to 10 MHz
- Antenna Set AS-02 (BC01+LP02+TR01)
- Antenna Set AS-03 (BC01+LP02+LP03+TR01)
- Antenna Set AS-04 (BC01+LP04+TR01)
- Antenna Set AS-05 (BC01+LP04+DR01+TR01)
- Antenna Set AS-06 (BC01+LP-02+LP03+DR01+TR01)
- Antenna Set AS-07 (BL01+TR01)
- Antenna Set AS-08 (BL01+DR01+TR01)
- RA-01: Rod Antenna 9 kHz to 30 MHz
- RA-01-HV: Rod Antenna 150 kHz to 30 MHz
- RA-01-MIL: Rod Antenna 9 kHz to 30 MHz

Calibration services

- Ansi 63,5 Antenna Factor
- SAE ARP 958-D
- Free-Space Antenna Factor