

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 applications.

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

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

DR-01 can be used in conjunction with any Receiver or Spectrum Analyzer.

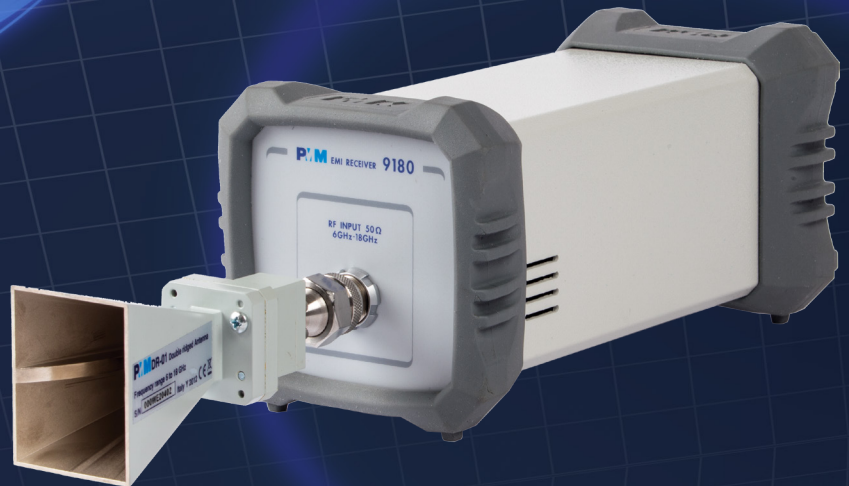
(*)The direct connection between antenna and PMM Receiver Unit eliminates additional sources of uncertainties due to coaxial cable attenuation and scattering. For further information and for the range 30 MHz to 6 GHz please consult our brochure "Fully CISPR-Compliant Digital EMC/EMI receivers 10 Hz to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

DR-01

Double-ridged horn antenna 6 to 18 GHz

SPECIFICATIONS

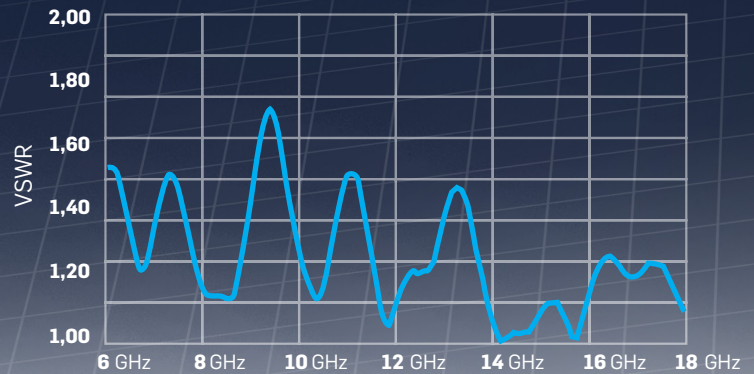
Frequency range	6 to 18 GHz
Impedance	50 Ω nominal
Gain	9 to 16 dBi
Antenna factor	36 to 41 dB/m
VSWR	< 2 (1,8 typ.)
Beam width	E-plane 33°
3 dB @ 12 GHz	H-plane 38°
Max input power	150 W
Connector	N-male
Dimensions LxHxD	55 x 44 x 137 mm
Weight	250 g
Colour	RAL 7035



DR-01 Installed on EMI Receiver model 9180



DR-01 - Antenna Factor



DR-01 - VSWR

Ordering Information:

Double ridged Antenna DR-01

Includes: Operating Manual, Carrying Case 170/30N, Mounting support, Calibration Report

Optional accessories:

Nf to Nf adapter

Related Products

Receivers

- 9010: EMI receiver 10 Hz to 30 MHz
- 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
- 9180: EMI Receiver 6 GHz to 18 GHz

Antennas

- BC-01: Biconical Antenna 30 to 200 MHz
- LP-02: Log Periodic Antenna 200 MHz to 3 GHz
- LP-03: Log Periodic Antenna 800 MHz to 6 GHz
- TR-01: Antenna Tripod
- Antenna Set AS-02 (BC01+LP02+TR01)
- Antenna Set AS-03 (BC01+LP02+LP03+TR01)
- RA01: Rod Antenna 9 kHz to 30 MHz
- RA01-HV: Rod Antenna 150 kHz to 30 MHz
- RA01-MIL: Rod Antenna 9 kHz to 30 MHz

Calibrations service

- Ansi 63.5 Antenna Factor
- SAE ARP 958-D
- Free-Space Antenna Factor



Sales Office:
Via Leonardo da Vinci, 21/23
20090 Segrate (Milano) - ITALY
Phone: +39 02 2699871
Fax: +39 02 26998700

E-Mail: nardait.support@L-3com.com
Internet: www.narda-sts.it

Headquarter:
Via Benessea, 29/B
17035 Cisano sul Neva (SV) - ITALY
Phone: +39 0182 58641
Fax: +39 0182 586400