

Rev 1.0
08.03.2016

Microwave Horn Antenna - PowerLOG® 40400

Frequency Range 4GHz to 40GHz, High Gain and High Max. Power

Highlights:

- ◆ Supports very high power up to 300W (peak)
- ◆ Ultra wide frequency range, 4GHz to 40GHz (usable & directional from 700MHz up)
- ◆ Incl. specific calibration data
- ◆ Perfectly usable for EMC immunity tests with very high field strength
- ◆ Very compact design, lightweight
- ◆ 10 years warranty
- ◆ Made in Germany

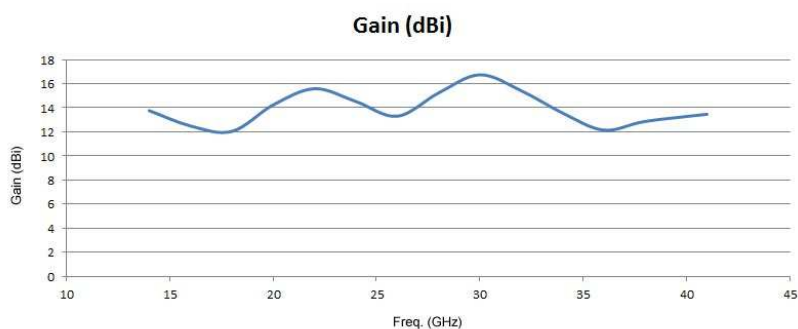
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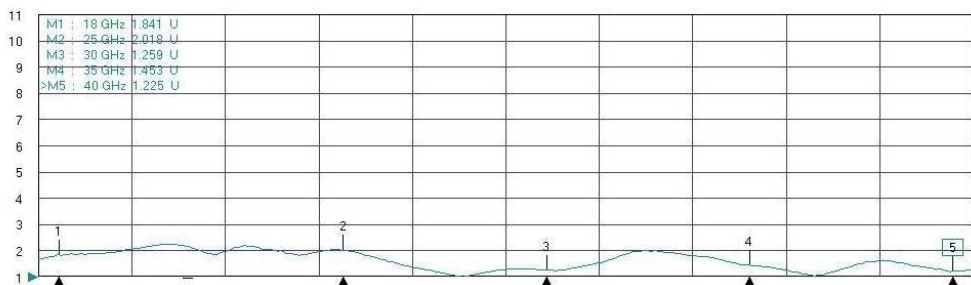


PowerLOG 40400

- ◆ Frequency range: **4GHz - 40GHz** (usable & directional from 700MHz up, specific calibration data from 18GHz up)
- ◆ Max. Input Power: **300W (peak), 150W (CW)**
- ◆ Gain: **12 to 17dBi**
- ◆ VSWR (typ): < 2:1 (within 18 to 40GHz)
- ◆ Design: Double Ridge Horn
- ◆ Antenna Factor: 24 - 40dB/m
- ◆ Polarization: Vertical or Horizontal
- ◆ Vertical Beamwidth: 16 Deg
- ◆ Horizontal Beamwidth: 20 Deg
- ◆ Nominal impedance: 50 Ohm
- ◆ RF-connector: K (2.92mm), female
- ◆ Temperature range: - 10°C to +60°C
- ◆ Relative Humidity: 5% to 80%
- ◆ Dimensions (L/W/D): 74x55x38 mm
- ◆ Weight: 150g
- ◆ RoHs compliant
- ◆ Incl. Specific Calibration Data (18-40GHz) and mounting plate
- ◆ **Warranty: 10 years**



Gain PowerLOG 40400



VSWR PowerLOG 40400

References

Cross-Section of Aaronia Clients

Government, Military, Aeronautic, Astronautic

- ◆ NATO, Belgium
- ◆ Department of Defense, USA
- ◆ Department of Defense, Australia
- ◆ Airbus, Germany
- ◆ Boeing, USA
- ◆ Bundeswehr, Germany
- ◆ NASA, USA
- ◆ Lockheed Martin, USA
- ◆ Lufthansa, Germany
- ◆ DLR, Germany
- ◆ Eurocontrol, Belgium
- ◆ EADS, Germany
- ◆ DEA, USA
- ◆ FBI, USA
- ◆ BKA, Germany
- ◆ Federal Police, Germany
- ◆ Ministry of Defense, Netherlands

Research/Development, Science and Universities

- ◆ MIT - Physics Department, USA
- ◆ California State University, USA
- ◆ Indonesien Institute of Science, Indonesia
- ◆ Los Alamos National Laboratory, USA
- ◆ University of Bahrain, Bahrain
- ◆ University of Florida, USA
- ◆ University of Victoria, Canada
- ◆ University of Newcastle, United Kingdom
- ◆ University of Durham, United Kingdom
- ◆ University Strasbourg, France
- ◆ University of Sydney, Australia
- ◆ University of Athen, Greece
- ◆ University of Munich, Germany
- ◆ Technical University of Hamburg, Germany
- ◆ Max-Planck Institute for Radio Astronomy, Germany
- ◆ Max-Planck Institute for Quantum Optics, Germany
- ◆ Max-Planck-Institute for Nuclear Physics, Germany
- ◆ Max-Planck-Institute for Iron Research, Germany
- ◆ Research Centre Karlsruhe, Germany

Industry

- ◆ APPLE, USA
- ◆ IBM, Switzerland
- ◆ Intel, Germany
- ◆ Shell Oil Company, USA
- ◆ ATI, USA
- ◆ Microsoft, USA
- ◆ Motorola, Brazil
- ◆ Audi, Germany
- ◆ BMW, Germany
- ◆ Daimler, Germany
- ◆ Volkswagen, Germany
- ◆ BASF, Germany
- ◆ Siemens AG, Germany
- ◆ Rohde & Schwarz, Germany
- ◆ Infineon, Austria
- ◆ Philips, Germany
- ◆ ThyssenKrupp, Germany
- ◆ EnBW, Germany
- ◆ RTL Television, Germany
- ◆ Pro Sieben – SAT 1, Germany
- ◆ Channel 6, United Kingdom
- ◆ CNN, USA
- ◆ Duracell, USA
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- ◆ Philips Semiconductors, Germany
- ◆ Hyundai Europe, Germany
- ◆ JDSU, Korea
- ◆ IBM Deutschland, Germany
- ◆ Nokia-Siemens Networks, Germany



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