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
**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

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**Gain (dB)**

![Graph showing gain in dB vs frequency](image)

**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

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
- German Telekom, Germany
- Bank of Canada, Canada
- NBC News, USA
- Sony, Germany
- Anritsu, Germany
- Hewlett Packard, Germany
- Robert Bosch, Germany
- Mercedes Benz, Austria
- Osram, Germany
- DEKRA, Germany
- AMD, Germany
- Keysight, China
- Infineon Technologies, Germany
- Philips Semiconductors, Germany
- Hyundai Europe, Germany
- JDSU, Korea
- IBM Deutschland, Germany
- Nokia-Siemens Networks, Germany

Research/Development, Science and Universities
- MIT - Physics Department, USA
- California State University, USA
- Indonesien Institute of Sience, 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 of 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