



...designed for perfect signals

RF-Design with headquarters in Lorsch/Germany is your partner for any of your RF distribution needs. We are specialized in developing, manufacturing and marketing professional and high quality RF equipment while our core competencies are RF distribution solutions for the international Satellite-, Broadcast- and Broadband communications industry. Our products and solutions are perfectly suited for applications in Satellite Earth-Stations, Teleports, as well as Broadcasting and CATV/IPTV headend operations while our product range offers various designs covering RF frequency ranges like IF and L-Band. All our products are designed, manufactured, tested and approved in our own facilities in Lorsch/Germany. High quality, reliability, flexibility and superior RF performance are our customers requirements, this drives our experienced and motivated team to develop, to manufacture and to provide products and solutions...always designed for perfect signals.



Research & Development

Know-how and innovative ideas for high quality solutions

We develop products and solutions that meet highest quality levels always targeting excellent technical performance and customer satisfaction. Additionally we are your partner for custom-made solutions especially designed according to your individual requirements and applications. Permanent research and improvement guarantees high quality and best performance. This includes the selection of components and ongoing design optimization. Steady prototyping and intensive test periods ensure best results in terms of functionality and specifications. Our experienced and highly qualified team is constantly striving to develop and to provide new and innovative products with optimal hard- and software solutions. As a medium sized company we are flexible to respond to special customer requirements and to provide tailor made solutions for today's and tomorrow's needs.

Manufacturing

Choice of suppliers, components & modern facilities...the way to high quality solutions

Our production is splitted in two segments while all our products are designed and manufactured to meet the highest standards in terms of quality and reliability always targeting superior value and performance "Made in Germany".

- > Selected partners and special suppliers provide printed circuit-boards, mechanical and electronic parts
- > Final assembly, all set-ups, test-runs and approvals are done in our own facilities in Lorsch/Germany

All our suppliers are well selected and have to meet our high quality standards as well as the European industrial quality standards.

Quality

Variety of components and material for high-quality solutions

Our products and solutions are manufactured with specially selected and approved material to ensure a maximum of performance, quality, life time, stability and MTBF. All quality tests for any parts, components, pcp's and final products are done with the most up-to-date test- and measurement equipment.

Warranty & Service

Satisfied customers are our top priority

RF-Design's standard warranty period is 36 month (3 years) while warranty expansion is available upon request.

All our clients and partners are served with top priority. Our service and support philosophy is to supply our clients with experienced and knowledgeable resources. We follow a customer-oriented service and support strategy always targeting customers satisfaction. Our experienced team assists you during all project-phases, from project-planning to project realization while on-site service such as installation and training can be realized upon request.



Ralf Mayr, Managing Director & Owner

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PRODUCTS & SOLUTIONS



RF DISTRIBUTION SOLUTIONS

- Active Splitters/Combiners, stand-alone 1RU/19" and modular rack-mount design
- Various features such as, LNB-supply, 10MHz ref., embedded single- or redundant amplifiers...
- Compact and modular designs with various in- and outputs available
- Measurement- and control functions
- 1:1 power-supply redundancy (hot-swappable)



RF SWITCHING/ROUTING-MATRIX SYSTEMS

- 1RU/19" stand-alone solutions with 8:8, 8:16 or 8:24 switching/routing capacity
- 6RU/19" scalable & modular systems for 8:8 to 256:256 switching/routing capacities
- Unique expansion concept via integrated cascading-interfaces (increments of 8)
- Hot-swappable and mixable coaxial or optical-fiber input/output switch-boards
- Features and benefits like variable gain adjust, slope equalization and RF power monitoring
- Optionally with LNB-supply, 10MHz feed and/or Signal Quality Analyzer (RF & DVB-S/S2 monitoring)
- Various measurement, monitoring and control functions incl. error analysis
- Superior RF quality and performance especially at isolation and frequency response
- Easy local and remote configuration possibilities
- 1:1 power-supply redundancy (hot-swappable)



RF SWITCHING

- Various RF switching solutions also 2:1 redundancy switching
- Compact stand-alone and modular 19" rack-mount designs
- Configurable to up to 64 input ports
- Various features such as Measurement- and control functions...
- 1:1 power-supply redundancy (hot-swappable)



RF AMPLIFIERS

- Single- and 1:1 redundant IF and L-Band line amplifiers
- Compact stand-alone and modular 19" rack-mount designs
- Various features such as LNB-supply, 10Mhz ref, monitoring and control functions...
- 1:1 power-supply redundancy (hot-swappable)



RF-OVER-FIBER SOLUTIONS

- Compact stand-alone and modular 19" rack-mount designs for indoor and outdoor applications
- Up to 16 fiber-links (TX/RX) per chassis, also 1:1 redundant
- Various features such as LNB-supply, gain-adjustment...
- Measurement- monitoring and control functions
- 1:1 power-supply redundancy (hot-swappable)



LNB & ANTENNA SUPPLY, CONTROL & HEATING

- Compact stand-alone and modular 19" rack-mount designs
- Various features such as measurement- monitoring and control functions...
- 1:1 power-supply redundancy (hot-swappable)



MEASUREMENT & MONITORING SOLUTIONS

- Broadband remote Spectrum-Analyzers (5MHz...3GHz)
- Compact stand-alone and modular 19" rack-mount designs
- Multiple-Input solutions for monitoring of up to 64 RF signals per Spectrum-Analyzer unit
- Easy access, configuration and monitoring via corresponding Software (CMS)
- New SQA Signal Quality Analyzer for RF & DVB measurement & monitoring



RF PASSIVE COMPONENTS

- L-band and wide-band impedance converters
- Passive RF signal distribution solutions (splitters/combiners...)



CUSTOM SPECIFIC SOLUTIONS

- Custom-built solutions especially designed for your individual needs and applications
- Covering frequency ranges up to 26GHz
- RF switching and distribution systems such as Switch-Matrices, Switches, LNA/LNB/BDC integrated units for KU-Band, KA-Band and C-Band applications...