

2007-2017  
**10**  
YEARS  
OF  
SUCCESS

# RUPPtronik

Beratung und Vertrieb HF- und Mikrowellentechnik



Solid state control components, switches DC-40GHz, variable attenuators 10MHz-18GHz with up to 120db attenuation range, Detector/Logarithmic Video Amplifiers (DLVAs) up to 70dB dynamic range and cw immunity option, synthesizers up to 10GHz and integrated assemblies, bias-T and power dividers



Lowpass, highpass, bandpass and bandstop filters in the frequency range 300kHz to 100GHz in helical, lumped element, tubular, combine, interdigital, substructured substrate and waveguide technology, multiplexers, ultra short W/G-coax transitions, switched filter banks, SDLVAs, European manufacturing



High power solid state amplifiers up to 18GHz for commercial, medical and military applications. Very compact Module-Technology with high output powers and wide frequency spectrum, high power PIN-Diode switches and high power limiters by HILL Engineering Division



Electromechanical switches, SPDT to SP12T, Transfer switches in failsafe, latching, normally open versions. With and without internal termination. DC-40GHz, SMAs, Ns, 2.9mm, 7/16mm, 4.3/10mm and others, with and without Indicators. Ultra Low PIM variants available.



Multifunctional MMICs and discrete Chips for 50GHz, 60GHz, E-Band, V-Band and W-Band, Mixers, Up/Downconverter, Power Amplifiers in GaAs, SiGe, GaN for Point-to-Point-Systems, ITAR-free, European manufacturing



Microwave custom solutions, state of the art frequency synthesis to 26GHz, Ultra Low Phase Noise DROs, PLDROs, reference frequency oscillators, filters, amplifiers, phase shifters with analog and digital control, upconverters, downconverters, system design and project support, German manufacturing



RUPPtronik stocks minibend® in standard lengths from 2-30 inches, testcables astro-TC to 40GHz, with 110dBc shielding effectiveness RUPPtronik is authorized Distributor for all RF and Microwave products from HUBER+SUHNER portfolio.



Anisotropic contacting material PariPoser with >90% silicone content and milli-Ohms contact resistance, high number of contact cycles, usable to 90GHz, test and application sockets for high contact count components without soldering, ultra short crown contacts



Standard and custom precision microwave components from DC-50GHz, lumped element, stripline and high power dividers/combiners, couplers, hybrid, isolators, circulators, coaxial and WG terminations and attenuators, dielectric oscillators, PIN diode and coaxial switches, short lead times



DROs, PLDROs, TCXOs, amplifier, synthesizer, Upconverter, Downconverter, Frequency multiplier, miniaturised SubSystems. Industrial, military and space approvals, components up to 100GHz for use in extreme vibration and mechanical shock environments and extended temperatures. Short lead times, custom designs



RF and Microwave Solutions from reknown RF specialist companies like AML, Microsemi, MECA, MICRONETICS and others. Amplifiers 0.5-40GHz, LNAs, surface mount, broadband, high power, GaN. VCOs 100MHz-7500MHz, Mixers, Multipliers 4GHz-110GHz output frequency. Noise sources 200kHz-40GHz



Oven controlled crystal oscillators from 50-130MHz with currently unmatched guaranteed phase noise performance of -182dBc/Hz in the noise floor (-185dBc/Hz typical), linear and logarithmic amplifiers to 2GHz, discriminators, European manufacturing



Standard and custom mm-wave components, 18-110GHz, low noise and power amplifiers, mixers-preamplifiers, mixers, up/down converters, block converters, mm-wave subsystems, broadband detectors, phase-locked sources, WG-Filters, frequency multipliers, synthesizers, Gunn oscillators



Custom isolators and circulators for mainly military and space applications, highest power terminations and high power couplers in subsystems, waveguide, coaxial and SMD solutions, European manufacturing Mixers, oscillators, synthesizer and complete subsystems for military applications, GPS clocks



Waveguide components from 2-60GHz, attenuators, couplers, flanges, pressure windows, horn antennas, terminations, straights, bends, twists, tapers, WG-to-Coax transitions, Tee junctions, flexible and flex/twist assemblies, European manufacturing



Mechanical integration of highest performance RF Systems (DROs, PLDROs, Multipliers, etc) with low noise switched mode power supplies, cooling and vibration reduction into bespoke custom enclosures  
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