



DC – 110 GHz · POWER AMPLIFIERS · LNA · WAVEGUIDE AMPLIFIERS · ISOLATORS

Wenteq Microwave Corporation is a US manufacturer of RF, microwave and millimeter-wave components. The portfolio spans low-noise and power amplifiers, mixers, frequency multipliers, switches, bias tees, power limiters, ferrite products and waveguide components up to 110 GHz. bq-microwave is the authorized European distributor.



Product Portfolio

<p>LNA Amplifiers UP TO 46.5 GHz</p> <p>Low-noise amplifiers for receiver systems with noise figures from 0.5 dB.</p>	<p>Power Amplifiers UP TO 46.5 GHz</p> <p>Power amplifiers from 30 mW to 20 watts output power.</p>	<p>Waveguide Amplifiers UP TO 46.5 GHz</p> <p>Waveguide amplifiers for millimeter-wave use without adapter losses.</p>	<p>Mixers UP TO 75 GHz</p> <p>Microwave and millimeter-wave mixer modules from L-band to V-band.</p>
<p>Frequency Multipliers UP TO 106 GHz</p> <p>Coaxial and waveguide multipliers in ×2 to ×8 versions.</p>	<p>Isolators UP TO 40 GHz</p> <p>Coaxial, dual junction, drop-in and waveguide.</p>	<p>Circulators UP TO 40 GHz</p> <p>Coaxial, dual junction, drop-in and waveguide.</p>	<p>Switches UP TO 110 GHz</p> <p>Coaxial and waveguide switches in SPDT and SP4T versions.</p>
<p>Bias Tees UP TO 55 GHz</p> <p>Microwave and millimeter-wave bias tees for DC injection.</p>	<p>Power Limiters UP TO 40 GHz</p> <p>Microwave and millimeter-wave power limiters protecting sensitive receivers.</p>	<p>High Power Attenuators UP TO 18 GHz</p> <p>High-power attenuators in coaxial form factor.</p>	<p>High Power Terminations UP TO 18 GHz</p> <p>High-power terminations in coaxial form factor.</p>
<p>Cable Assemblies UP TO 40 GHz</p> <p>High-quality cable assemblies and connectors.</p>	<p>Waveguide Components UP TO 110 GHz</p> <p>Waveguide sections, bends, twists, couplers, adapters and terminations.</p>		

Strengths at a glance

<p>Broad Portfolio</p> <p>Amplifiers, mixers, multipliers, switches, ferrite and waveguide components from a single source.</p>	<p>LNA + PA Expertise</p> <p>Both low-noise and power amplifiers in-house — ideal for complete transmit/receive chains.</p>	<p>DC – 110 GHz</p> <p>Wide frequency span from RF up to W-band, in coaxial and waveguide form.</p>
<p>Frequency Conversion</p> <p>Mixers up to 75 GHz and frequency multipliers up to 106 GHz — ready for system integration.</p>	<p>Waveguide Specialist</p> <p>Amplifiers, switches and multipliers directly in waveguide, plus a complete waveguide range up to 110 GHz.</p>	<p>Custom Engineering</p> <p>Tailored modules to meet specific gain, noise, linearity and form-factor requirements.</p>

Industries & Use Cases

Receiver Systems

Front-end LNAs, mixers and power limiters for sensitive SATCOM and measurement receivers.

SATCOM

Power amplifiers, switches and frequency converters for ground stations plus up- and down-converters in X-, Ku- and Ka-band.

Radar Systems

High-power amplifiers, switches and power limiters for radar transmitters and receiver front-ends.

5G / 6G Testing

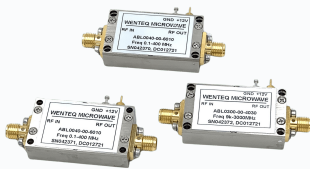
mmWave amplifiers, mixers and multipliers for FR2 test rigs and antenna characterisation into W-band.

Research

Signal amplification and frequency conversion in scientific measurement chains at universities and research institutes.

Defence

Ruggedised modules for military communications, reconnaissance and electronic-warfare systems.



Available through bq-microwave

bq-microwave is the authorized European distributor for Wenteq. Fast procurement, short lead times and personal technical consultation.

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