

Broadcasting



KU PA 190250 - 80 LIN
LDMOS Power Amplifier

Reliable Signal Quality for High-End Live Broadcasts

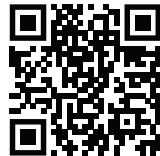
In demanding video transmission and communication environments, such as sports events, festivals, and live broadcasts, uncompromising signal quality is essential. Our advanced down converters and linearized, predistorted power amplifiers set new standards in professional transmission technology.

Ideal for Live Events and Broadcasts

Precision down converters and linearised power amplifiers with advanced predistortion technology deliver crystal-clear video and audio at any output level. Signal distortions are actively compensated, ensuring superior transmission quality regardless of distance, environment, or application.



KU LNC 2027 C PRO2
Down Converter



Advantages

- ✓ Crystal-clear signal quality under high load conditions
- ✓ Optimised efficiency and reduced operating costs
- ✓ Perfect for live streaming, sports broadcasting, and event communications
- ✓ Robust design for demanding environments

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We're part of a larger Group.

Alaris Kuhne is a specialist RF and microwave manufacturer with over 30 years of experience developing high-quality components including power amplifiers, low noise amplifiers, and down converters.

Based in Germany, Alaris Kuhne has built a reputation for precision engineering across demanding applications such as point-to-point communications, broadcast, medical ablation, and EMC testing.

Alaris Kuhne is part of the Alaris Group, a global leader in RF technology committed to building the world's most advanced RF portfolio.



RF Power. Wherever It Matters.

www.kuhne.alaris.tech



www.kuhne.alaris.tech



Made in Germany with pride.
Mit Stolz hergestellt in Deutschland



Amplifying Communications. Silencing Threats.

In modern security and defence environments, reliable and resilient communication is non-negotiable. Our advanced communication solutions are designed to perform flawlessly in complex and contested electromagnetic environments.

Built for the Mission

Engineered for stable connectivity under interference, our systems safeguard data, voice, and video through advanced filtering and adaptive signal processing. Delivering robust performance, low latency, and operational security across tactical deployments and critical infrastructure alike.



KU PA BB 070270 - 80 B
Wideband Power Amplifier



Advantages

- ✓ High resistance to interference and signal degradation
- ✓ Secure and stable communication in complex environments
- ✓ Optimised for mission-critical applications and UAV communication



KU BDA 230250 - 25 A
Bi-Directional Amplifier



Microwave Technology for Healing and Transformation

Effective tumour ablation, therapeutic heating, and non-invasive fat reduction demand reliable power delivery, accurate frequency control, and consistent performance.

Our solid-state microwave generators provide clean, stable energy at 2.45 GHz, enabling predictable treatment zones, improved safety, and seamless system integration for next-generation healthcare solutions.



KU SG 2.45 - 250 D
Microwave Power Generator

- ✓ From low-level therapeutic doses to high-power ablation, adjustable output up to 250 W gives clinicians full control over treatment intensity.
- ✓ No magnetrons, no warm-up time, no moving parts. Consistent performance from the first pulse to the last.



KU SG 2.45-450 A
Microwave Power Generator



Powering Plasma Processes with Precision & Reliability

Modern plasma processes demand unmatched power stability, fine frequency control, and long-term reliability, areas where traditional magnetron systems fall short.

Our solid-state microwave power platform delivers clean, stable RF power up to 850W at 2.45 GHz, enabling consistent plasma performance in front-end and back-end wafer processing.

Advantages

- ✓ Delivers stable RF power for precise anisotropic etching and uniform critical dimension control.
- ✓ Consistent output up to 850 W ensures process repeatability across wafer batches, reducing yield variance.
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KU DIV 2.45-N-716
Power Combiner Kit 850 W

