



DC – 110 GHz · HIGH-POWER UP TO 10 kW ·
ATTENUATORS · TERMINATIONS · DEFENSE

Shanghai Huaxiang (SHX) specialises in high-power RF components up to 10 kW and 110 GHz. bq-microwave is the authorised European distributor.



Product Portfolio

<p>Coaxial Attenuators DC – 110 GHz 1 W to 10 kW power handling. Fixed and variable designs.</p>	<p>Coaxial Terminations DC – 110 GHz 1 W to 10 kW power ratings. High-performance loads.</p>	<p>Variable Attenuators UP TO 18 GHz Programmable models with USB control.</p>	<p>Coaxial Switches UP TO 40 GHz SPDT and SP4T configurations for RF systems.</p>
<p>Filters UP TO 40 GHz Bandpass, lowpass and highpass designs.</p>	<p>High-Power Resistors UP TO 4 GHz 2 W to 250 W power resistors.</p>	<p>Directional Couplers UP TO 18 GHz Up to 4000 W power rating.</p>	<p>Power Metres UP TO 18 GHz USB-controlled measurement instruments.</p>
<p>Power Dividers UP TO 45 GHz 2-way and 4-way configurations.</p>	<p>Phase Shifters UP TO 30 GHz Analogue phase-shift modules.</p>	<p>Coaxial Detectors UP TO 40 GHz RF detectors for power monitoring.</p>	<p>Bias Tees UP TO 40 GHz Broadband bias-T designs.</p>
<p>Isolators & Circulators UP TO 40 GHz Coaxial and drop-in formats.</p>	<p>Shielding Boxes UP TO 6 GHz EMC test enclosures.</p>	<p>Adapters & Cables UP TO 40 GHz Test cable assemblies and adapters.</p>	<p>DC Blocks UP TO 50 GHz Inner and outer connector DC blocks.</p>

Strengths at a glance

<p>High-Power Specialist up to 100 kW Water-cooled loads, attenuators and power combiners for extreme power ratings up to 100 kW.</p>	<p>DC-110 GHz Frequency Coverage Complete product range from DC to deep mmWave with consistent performance across the spectrum.</p>	<p>67 Patents, 30+ Years Experience Established in Shanghai since 1993, holding 67 patents (4 invention patents), 24 software copyrights and 28 proprietary industry standards.</p>
<p>Premium Specifications SHX products achieve technical performance on par with established international manufacturers — with significantly better availability and lead times for the European market.</p>	<p>Complete Test Subsystems Multi-channel test systems, portable power-detection modules, full turnkey service for RF measurement lines.</p>	<p>Specialised & Sophisticated Little Giant Officially recognised Chinese specialist enterprise, Shanghai High-Tech Enterprise with ISO 9001 quality management.</p>

Industries & Use Cases

Semiconductor Manufacturing

Water-cooled high-power loads and attenuators for RF generators in plasma-etch and CVD equipment.

Satellite Communications

Coaxial switches, couplers and power-detection modules for SATCOM ground stations.

Radar & Communications

High-power components for military and civil radar systems up to 110 GHz.

6G & mmWave Research

DC–110 GHz components for 6G self-organising networks and millimetre-wave research.

Medical Technology

Precision attenuators and loads for medical RF applications (e.g. MRI, ablation, diathermy).

Railway Track Inspection

Specialist niche: Components for railway track-flaw detection using ultrasonic and RF methods.



Available through bq-microwave

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

Contact: +49 (0) 151 25290128 · info@bq-microwave.de · www.bq-microwave.de