



DC - 67 GHz · CONNECTORS · ADAPTERS · CRYOGENIC · PRECISION · 60+ YEARS

XMA Corporation, formerly known as Omni Spectra, is a leading US manufacturer of RF connectors, adapters, and passive coaxial components. Over 60 years of experience delivering high-precision RF interconnect solutions up to 67 GHz.



Product Portfolio

Coaxial Adapters

UP TO 18 GHz

Comprehensive range covering all major connector interface combinations.

Coaxial Attenuators

UP TO 65 GHz

High-precision fixed and variable models, including standard and cryogenic variants.

Cryogenic Attenuators

UP TO 65 GHz

Ultra-low-temperature models engineered for quantum computing and dilution refrigerator systems.

Cryogenic Terminations

UP TO 65 GHz

Matched loads designed for quantum research and cryogenic measurement environments.

Directional Couplers

UP TO 18 GHz

Precision sampling tools for power monitoring and test configurations.

DC Blocks

UP TO 50 GHz

Inner- and outer-connector variants providing galvanic isolation across the signal path.

Strengths at a glance

Quantum Computing Pioneer

One of the few manufacturers worldwide offering dedicated cryogenic portfolios for qubit control systems and dilution refrigerators.

TVAC Space Pedigree

Flight-proven heritage across satellite platforms and deep-space missions, from LEO to interplanetary exploration.

Omni Spectra Heritage

Trusted legacy brand in US mil/aerospace, now unified under XMA Corporation with relentless manufacturing standards.

Made in USA – Design + Manufacturing

Complete engineering and production at a single US facility in Manchester, NH, fully ITAR-compliant.

Cryogenic Attenuators to 67 GHz

Purpose-built for quantum lines, reducing thermal noise and improving qubit coherence times.

Premium Passive Component Range

Adapters, attenuators, terminations, DC blocks, power dividers, couplers, and equalisers – all engineered to exacting tolerances.

Industries & Use Cases

Quantum Computing

Cryogenic attenuators, DC blocks, and adapters for microwave control lines in quantum processors.

Space & Satellite

TVAC-qualified assemblies for Earth orbit, GEO/MEO/LEO constellations, and science missions with extreme radiation exposure.

Mil/Aerospace

MIL-compliant passive assemblies for defence and avionics platforms.

5G Communication

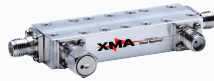
High-frequency adapters, couplers, and dividers supporting mmWave 5G infrastructure rollout.

Test & Measurement

Precision attenuators and adapters with low VSWR for laboratory-grade metrology.

Cryogenic Research

Beyond quantum: low-temperature physics, materials science, and radio astronomy applications.



Available through bq-microwave

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

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