

RF Components up to 65 GHz | XMA Omni Spectra™



TECHNICAL SPECIFICATIONS

- **Frequency Range**
DC to 65 GHz (depending on component type)
- **Coaxial Attenuators**
Extended frequency support reaching 65 GHz with precise signal level control and minimal VSWR degradation
- **Coaxial Terminations**
Broadband impedance matching elements rated to 50 GHz, ensuring system stability and preventing unwanted reflections
- **DC-Blocks**
AC coupling solutions with operational bandwidth extending to 50 GHz
- **Fixed Equalizers**
Frequency-dependent gain shaping components up to 18 GHz for compensating transmission line and amplifier response variations
- **Coaxial Adapters**
Up to 18 GHz, enabling seamless interconnection between disparate connector types and impedance configurations
- **Cryogenic Attenuators & Terminations**
Specialized components for low-noise receiver chains and LNA applications requiring ultra-low loss characteristics at reduced temperatures
- **Directional Couplers**
DC to 18 GHz devices for power sampling, monitoring, and signal distribution
- **Power Dividers**
Multi-port distribution networks operating to 18 GHz for splitting and combining RF signals
- **Dust Caps & Shorts**
Protective terminations and interface covers for connector preservation

APPLICATIONS

SATCOM: Ground station equipment, payload integration, and transponder modules

Defense & Aerospace: Military radar systems, Electronic Warfare (EW) platforms, and aerospace-grade assemblies

5G/6G & Telecommunications: Infrastructure development and wireless base station design

Test & Measurement: Precision passive components for laboratory and production test systems