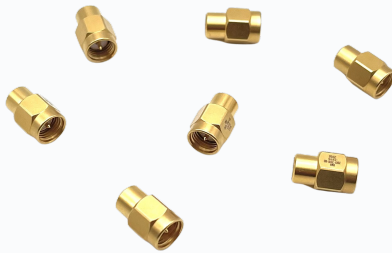


Cryogenic Components up to 65 GHz



TECHNICAL SPECIFICATIONS

- **Frequency range**
DC to 65 GHz across multiple product categories
- **Cryogenic Adapters**
Available up to 18 GHz for standard interconnects
- **Precision Attenuators**
Rated for cryogenic environments up to 65 GHz
- **Matched Terminations**
Engineered for minimal VSWR performance degradation at ultra-low temperatures
- **Connector compatibility**
Standard RF connectors and waveguide interfaces
- **Thermal stability**
Maintained across temperature cycling from room temperature to cryogenic operating conditions

APPLICATIONS

Radio Astronomy: Receiver chains for sensitive astronomical observations requiring cryogenic cooling

Quantum Computing: Control and measurement systems requiring low-noise signal distribution at cryogenic temperatures

SATCOM Systems: Ground station and satellite-based communication terminals operating at mmWave frequencies

5G and 6G Research: Experimental platforms investigating mmWave and sub-THz propagation characteristics

Defense and Aerospace: High-performance radar systems utilizing cryogenic front-ends