

Cryogenic Attenuators up to 110 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Coverage**
DC to 110 GHz continuous operation
- **Connector Options**
SMA, SMP, 2.92mm, and 1.85mm interfaces for flexible integration
- **Operating Environment**
Optimized for cryogenic temperatures down to liquid helium levels
- **Attenuation Stability**
Precise loss characteristics maintained across temperature variations
- **Impedance Match**
Controlled VSWR performance minimizing reflections

APPLICATIONS

Quantum Computing: Control and readout chain signal management in dilution refrigerator setups

Radio Astronomy: Signal conditioning in sensitive receiver systems and interferometric arrays

Cryogenic LNA Systems: Gain equalization and dynamic range optimization in low-noise amplifier chains

SATCOM Ground Stations: Precision attenuation in ultra-low-noise downlink receivers

Millimeter-Wave Research: Calibration and characterization of cryogenic RF subsystems