

Variable Attenuators up to 325 GHz



TECHNICAL SPECIFICATIONS

- **Frequency Coverage**
WR28 to WR3 waveguide configurations, extending up to 325 GHz
- **Attenuation Range**
Wide dynamic control enabling precise signal level adjustment
- **VSWR Performance**
Low return loss characteristics maintaining signal integrity
- **Insertion Loss**
Minimized throughout the operational bandwidth
- **Configurations**
Full waveguide bandwidth versions optimized for each frequency band
- **Control Interface**
Compatible with standard laboratory and automated test systems

APPLICATIONS

SATCOM Systems: Signal level management in satellite communication equipment and payload testing

Defense & Aerospace: Precision attenuation for radar calibration and electronic warfare applications

5G/6G Development: mmWave and sub-terahertz component characterization and validation

Component Testing: HPA and LNA linearization, compression point determination, and gain measurement

Research Institutions: High-frequency material characterization and propagation studies