

USB Phase Shifter up to 12 GHz

TECHNICAL SPECIFICATIONS

- **Frequency coverage**
Four distinct bands optimizing performance across 1-2 GHz, 2-4 GHz, 4-8 GHz, and 8-12 GHz ranges
- **Control interface**
USB connectivity for seamless computer integration and automation
- **Digital programming**
Enables remote operation and scripted measurement sequences
- **Compact form factor**
Portable design suitable for bench-top and field deployment scenarios
- **Broadband operation**
Minimal insertion loss across specified frequency bands
- **Phase resolution**
Fine-grained adjustment capability for demanding RF applications

APPLICATIONS

Antenna Systems: Phase alignment and beam steering verification in phased array configurations

5G/6G Testing: Channel emulation and spatial multiplexing validation across mid-range frequencies

Defense and SATCOM: Signal path characterization and system performance assessment

Component Evaluation: RF device testing requiring controlled phase variation without mechanical adjustment

Research and Development: Prototype validation for communication systems and radar architectures

Production Testing: Automated quality assurance workflows with programmable phase control