



DIGITAL PHASE SHIFTER – 6GHZ



Description

The **PS6000L** ultra-wideband **active** RF Phase Shifter from DS Instruments provides handheld stand-alone and remote-controlled phase shifting from 0 to 360 degrees in tiny **1/2-degree** increments. This ultra-compact USB device features a graphic display and audio feedback. Simple to use and integrate into automated test environments, the PS6000L's robust frequency coverage makes it extremely attractive for many medium-power CW applications.

New (Rev 5) device with smaller step size and output attenuator!

Ethernet now available!

PS6000L FineStep Specifications:

- Frequency: super-wideband **400 – 6000 MHz** range
- Uni-directional design
- NO insertion loss (internal limiter & amplifier)
- Angle range: -180 to +180 degrees
- Power input range: **-15dBm** to +10dBm
- **1/2-degree** phase resolution
- Signal output power: adjustable -20 to +10dBm (0.25dB steps)
- *Not designed for use with modulated input signals.*

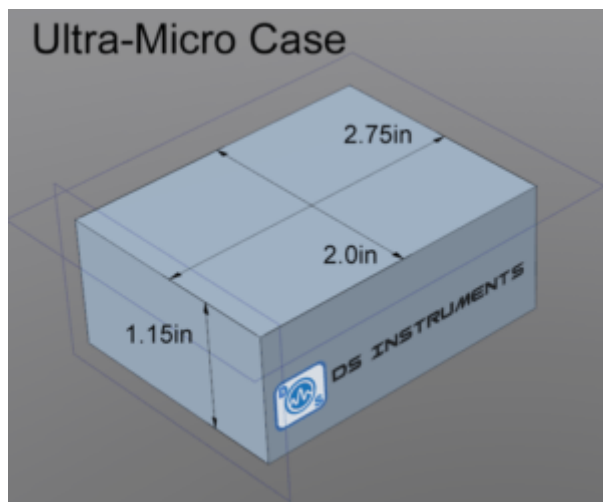
PS6000L Features:

- Ultra compact powder-coated aluminum case
- Audio feedback
- Simple automated remote control interface
- Micro-USB powered
- Free PC control application
- Micro-USB powered and controlled
- Front control buttons and OLED display
- Premium gold SMA ports
- High reliability and output power

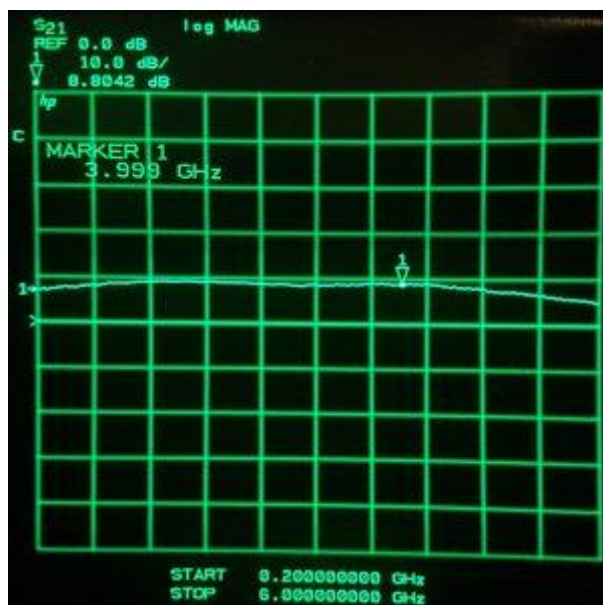
Typical RF Applications:

- Antenna systems
- Beam forming research
- MIMO development
- Advanced LTE and WIFI
- Phased-array technology
- RF signal cancellation
- Electronic warfare and defense
- Carrier signal shifting





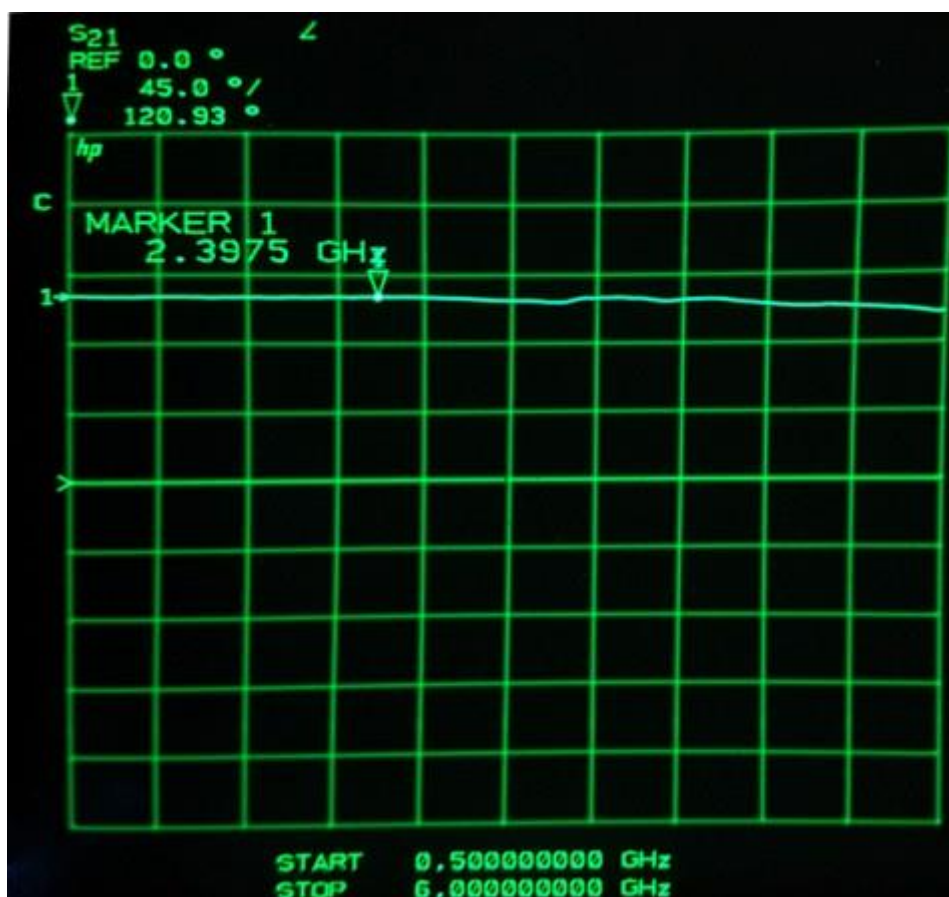
Output at -5dBm input power (200-6000MHz):



-160 degree phase shift setting at 2.4GHz:



Wideband Frequency Response:



Windows Phase Shift Control Application:

