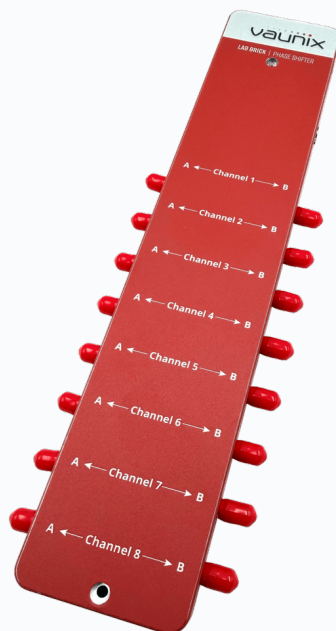


Vaunix LPS-402-8 – Lab Brick 8-Channel Phase Shifter

2–4 GHz · 360° range · 1.0° step · 8 channels · USB / Ethernet · Product Datasheet



KEY SPECIFICATIONS

Parameter	Min	Typ	Max
Frequency (GHz)	2	–	4
Channels	–	8	–
Phase Control Range (deg)	360	–	–
Step Size (deg)	1	–	–
Insertion Loss (dB)	–	4	6.5
Phase Accuracy (deg)	–	1.5	2.5
Switching Speed (μ s)	–	10	–
Max. Input Level (dBm)	–	10	–
VSWR	–	1.5:1	–

8 - CHANNEL FAMILY

Model	Frequency	Channels
LPS-202-8	1–2 GHz	8
LPS-402-8	2–4 GHz	8
LPS-802-8	4–8 GHz	8

16-channel versions of all three 8-channel models are coming soon.

DETAILED SPECIFICATIONS

Electrical / RF	Control, Power & Mechanical
<ul style="list-style-type: none"> • Frequency 2–4 GHz • Impedance 50 Ohm • Channels 8, independently controlled • Phase Control Range 360° • Step Size 1.0° • Insertion Loss 4 dB typ (6.5 dB max) • Phase Accuracy 1.5° typ (2.5° max) • Switching Speed 10 μs • Max. Input Level 10 dBm (linear operation) • VSWR 1.5:1 	<ul style="list-style-type: none"> • Control USB-C / Ethernet (Static IP or DHCP) • Power +5 VDC / 100 mA (USB) • Operating Modes Manual / Swept (uni/bi, once/repeat) / Profile • Software GUI, Windows & Linux SDK, LabVIEW, Python • RF Connectors SMA female • Expansion Bus 10-pin (link multiple units) • Size 241.3 x 50 x 21.8 mm (9.5 x 1.97 x 0.86 in) • Weight 272 g (0.6 lb) • Operating Temp. 0 to +50 °C

APPLICATIONS

Beam Forming & Phased Arrays Precise per-channel phase control across 8 channels	Amplifier Linearization Calibrated phase adjustment in linearization loops
5G / Wi-Fi Channel Simulators Programmable phase profiles for channel emulation	Automated Test Equipment (ATE) Rack-friendly, remotely controllable via USB / Ethernet