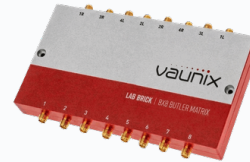


Butler Matrix up to 7250 MHz

VAUNIX Lab Brick LBM-7250 Series · Passive Beamforming Network



KEY FEATURES

Model	Frequency	Configuration	Phase Accuracy	Insertion Loss
LBM-7250-4	2400 – 7250 MHz	4 x 4	$\pm 9^\circ$	8 dB (typ.)
LBM-7250-8	2400 – 7250 MHz	8 x 8	$\pm 20^\circ$	16 dB (typ.)

- Frequency Range**
 2400 – 7250 MHz
- Coverage**
 WiFi 6E, 5G NR FR1, LTE, ISM
- Architecture**
 Passive beamforming network
- Configurations**
 4 x 4 and 8 x 8 available
- Power Supply**
 No external power required
- Phase Accuracy**
 $\pm 9^\circ$ (4x4) / $\pm 20^\circ$ (8x8)
- Insertion Loss**
 8 dB (4x4) / 16 dB (8x8) typ.
- RF Connectors**
 SMA female on all ports
- Housing**
 Cast-aluminum, EMI-isolated
- Manufacturer**
 VAUNIX Technology Corp.

APPLICATIONS

<p>Beamforming & Phased Array Multi-beam network for beam steering and antenna array characterization</p>	<p>MIMO Performance Verification Spatial multiplexing, diversity and MIMO simulation for WiFi and cellular</p>	<p>5G NR & WiFi 6E Development Sub-6 GHz beamforming network testing for next-generation wireless</p>
<p>Radar System Development Multi-beam radar prototyping, direction-finding and tracking experiments</p>	<p>Antenna Array Calibration Generating defined input phase distributions for phased array validation</p>	<p>Wireless Compliance Test WiFi, WiFi 6E, 5G, LTE and Bluetooth standards conformance test</p>