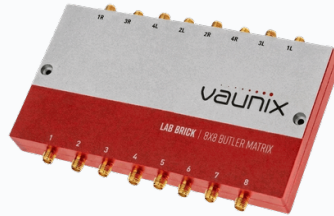


LBM-7250-8 - 8x8 Butler Matrix 2400-7250 MHz

VAUNIX Lab Brick · Passive Beamforming Network · New Product Release



TECHNICAL SPECIFICATIONS

- | | |
|--|--|
| <ul style="list-style-type: none">• Frequency Range
2400 – 7250 MHz | <ul style="list-style-type: none">• VSWR (max)
1.5 : 1 |
| <ul style="list-style-type: none">• Configuration
8 x 8 passive Butler Matrix | <ul style="list-style-type: none">• Isolation
15 dB typ. |
| <ul style="list-style-type: none">• Insertion Loss
16 dB typ. | <ul style="list-style-type: none">• Max Input Level
50 W peak |
| <ul style="list-style-type: none">• Insertion Loss Variation
± 2 dB | <ul style="list-style-type: none">• Connectors
16x SMA female |
| <ul style="list-style-type: none">• Phase Accuracy
± 20° typ. | <ul style="list-style-type: none">• Operating Temperature
-30 to +70 °C |
| <ul style="list-style-type: none">• Impedance
50 Ω | <ul style="list-style-type: none">• Size / Weight
149.9 x 120.9 x 16.8 mm / 136 g |

APPLICATIONS

<p>Phased Antenna Array Beamforming Multi-beam network for beam steering, beam pattern validation and antenna array characterization</p>	<p>WiFi, WiFi 6E & WiFi 7 Development Multi-antenna access point design and validation across 2.4 / 5 / 6 GHz bands</p>	<p>5G NR FR1 Beamforming Test Sub-6 GHz beamforming network testing for next-generation mobile infrastructure</p>
<p>MIMO Simulation & Verification Spatial multiplexing, diversity tests and MIMO performance characterization</p>	<p>Radar System Development Multi-beam radar prototyping, direction-finding and tracking experiments</p>	<p>Antenna Array & OTA Test Defined phase distributions for phased array validation and OTA measurement</p>