

Product: CUADO L 5G

Product Order Code:
BM-02975/5G

Wideband Encapsulated PCB Antenna

LTE (EU & NORTH AMERICA), CELLULAR
(2G, LTE, 5G)

- High efficiency FR4 antenna designed for global approved network use
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

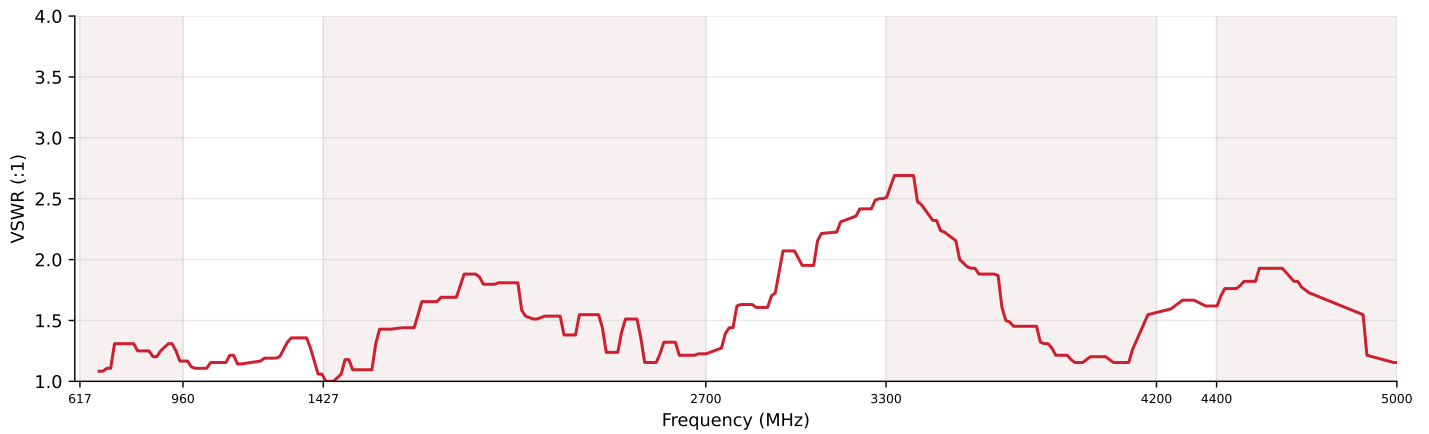
Dimensions	150.9mm x 77.5mm x 4.35mm
Weight	42g (Element & Casing)
Construction Materials	FR4 PCB UL94 V0 IPC4101 Casing: PC/ABS UV Stable
Mounting Arrangement	3M Self Adhesive Fixing Pad
Temperature Range	-40°C to +85°C
Protection Class	IP65 IEC60529
Cellular 5G NR / LTE	
Frequency Bands	LTE B71, B12, B13, B14, B28, B20, B5, B8: 5G NR n71, n12, n13, n14, n28, n20, n5, n8: @ 617 - 960 MHz LTE B1, B2, B3, B4, B7, B38, B40, B41, B74, B75, B76: 5G NR n1, n2, n3, n7, n38, n40, n41, n74, n75, n76: @ 1427 - 2690 MHz LTE B42, B43, B48: 5G NR n77 (3300–4200), n78 (3300–3800): n48 (3550–3700), n79 (4400–5000): @ 3300 - 5000 MHz
Impedance	50 Ohm
Polarisation	Linear
Peak Gain	LTE B71, B12, B13, B14, B28, B20, B5, B8: 5G NR n71, n12, n13, n14, n28, n20, n5, n8: @ 617 - 960 MHz : 2.8dbi LTE B1, B2, B3, B4, B7, B38, B40, B41, B74, B75, B76: 5G NR n1, n2, n3, n7, n38, n40, n41, n74, n75, n76: @ 1427 - 2690 MHz : 2.95dbi LTE B42, B43, B48: 5G NR n77 (3300–4200), n78 (3300–3800): n48 (3550–3700), n79 (4400–5000): @ 3300 - 5000 MHz : 2.45dbi
Radiation Pattern	Omni-Directional
VSWR	LTE B71, B12, B13, B14, B28, B20, B5, B8: 5G NR n71, n12, n13, n14, n28, n20, n5, n8: @ 617 - 960 MHz : <1.4:1 LTE B1, B2, B3, B4, B7, B38, B40, B41, B74, B75, B76: 5G NR n1, n2, n3, n7, n38, n40, n41, n74, n75, n76: @ 1427 - 2690 MHz : <2.0:1 LTE B42, B43, B48: 5G NR n77 (3300–4200), n78 (3300–3800): n48 (3550–3700), n79 (4400–5000): @ 3300 - 5000 MHz : <2.6:1
Radiator Type	Dipole
Cable type	LL100 50 Ohm Low Loss
Cable length	According to customer specification
Connector	According to customer specification

dBi: Referenced to an isotropic radiator

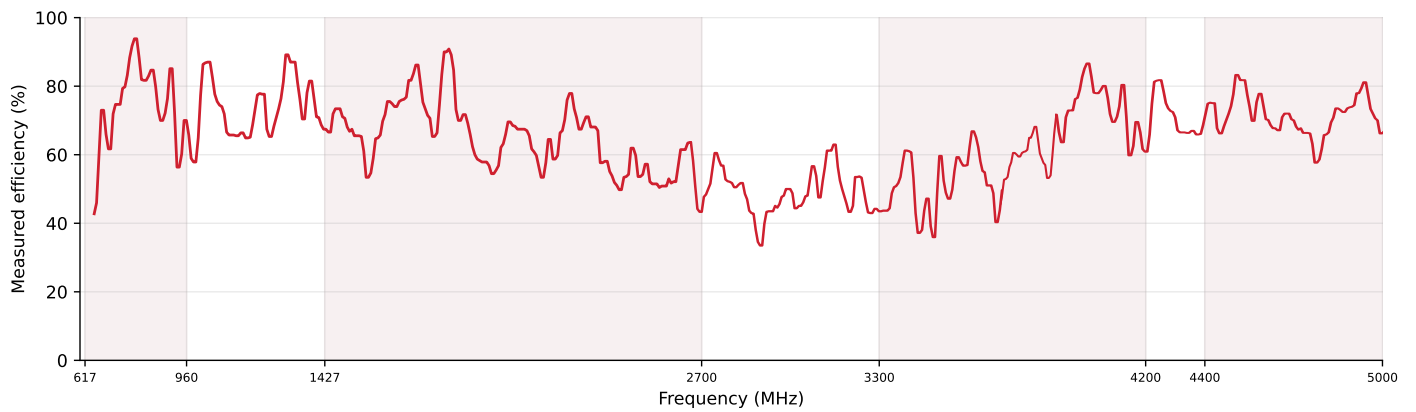
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VSWR Data



Radiated Efficiency



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CAD Data

