

DATASHEET PRODUCTS & SERVICES

Fractus RUN mXTEND™ Antenna Booster
698 - 960 MHz, 1710 - 2690 MHz and 3400 - 3800 MHz

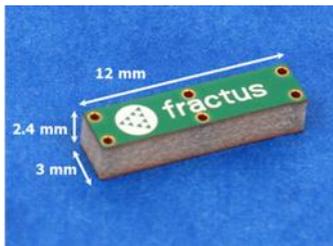
Fractus specialises in enabling effective mobile communications. Using Fractus technology, we design and manufacture optimised antennas to make your wireless devices more competitive. Our mission is to help our clients develop innovative products and accelerate their time to market through our expertise in antenna design, testing and manufacturing.

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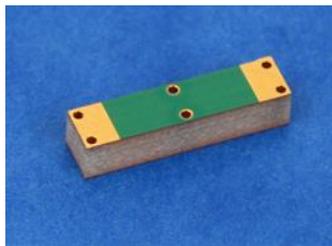
P/N: FR01-S4-224

The Fractus RUN mXTEND™ Antenna Booster has been specifically designed for providing multiband performance in wireless devices (in particular in mobile devices), enabling worldwide coverage by allowing operation in the communication standards GSM850, GSM900, GSM1800/DCS, GSM1900/PCS, UMTS, LTE700, LTE800, LTE850, LTE900, LTE1700, LTE1800, LTE1900, LTE2000, LTE2100, LTE2300, LTE2500, LTE2600, LTE3500 and LTE3700.
Bands: LTE 1-10, LTE 12-20, LTE 22-23, LTE 25-30, LTE 33-44.

12.0 mm x 3.0 mm x 2.4 mm (image larger than actual size)



TOP



BOTTOM

Product Benefits

- Small size
- Cost-effective
- High efficiency
- Easy to use (pick and place)
- Multiband behaviour (worldwide standards compatible)
- Off-the-Shelf, Standard Product (no customization is required)

Evaluation Boards

Class	Number of frequency regions	Frequency range	Part Number	Page
2 Ports	3	698 - 960 MHz & 1710 - 2690 MHz & 3400 - 3800 MHz	EB_FR01-S4-224-UFL3R-2P	2

For additional information, please download the user manual from <http://www.fractus.com/index.php/fractus/documentation> or contact info@fractus.com.



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2 port solution – 3 frequency regions

Technical features	698 - 960 MHz	1710 - 2690 MHz	3400 - 3800 MHz
Average Efficiency	> 60.0 %	> 75.0 %	> 65.0 %
Peak Gain	1.6 dBi	3.7 dBi	3.1 dBi
VSWR	< 3:1		
Radiation Pattern	Omnidirectional		
Polarization	Linear		
Weight (approx.)	0.19 g		
Temperature	-40 to + 85 °C		
Impedance	50 Ω		
Dimensions (L x W x H)	12.0 mm x 3.0 mm x 2.4 mm		

Technical features. Measures from the evaluation board with UFL cables (131 mm x 60 mm x 1 mm).

See pictures of the evaluation boards, matching network configuration and graphs of the specs in the User Manual.