



fractus

Optimised Antennas
for Wireless Devices

DATA SHEET · PRODUCTS & SERVICES

GPS chip antenna for low-cost consumer electronic devices



Fractus specialises in enabling effective mobile communications. Using fractal 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.

Fractal Geofind™ GPS Slim Chip Antenna

P/N: FR05-S1-E-0-103

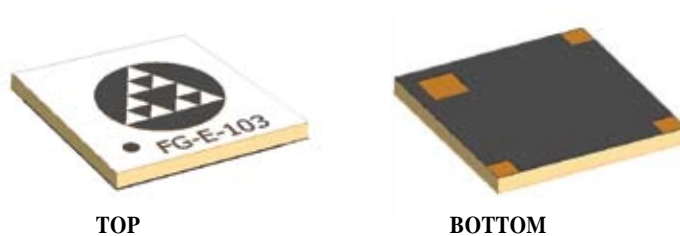
The Fractal Geofind is an slim chip antenna engineered specifically for consumer electronic devices operating with GPS system where low-cost and robust performance is mandatory.

Taking advantage of the space-filling properties of fractals, this small planar monopole antenna is ideal for use low-cost consumer electronic devices to add personal location functionalities. The Fractal Geofind GPS Slim Chip Antenna, speeds your time-to-market by allowing you to integrate it within your industrial design easily (SMD mounting) and efficiently.

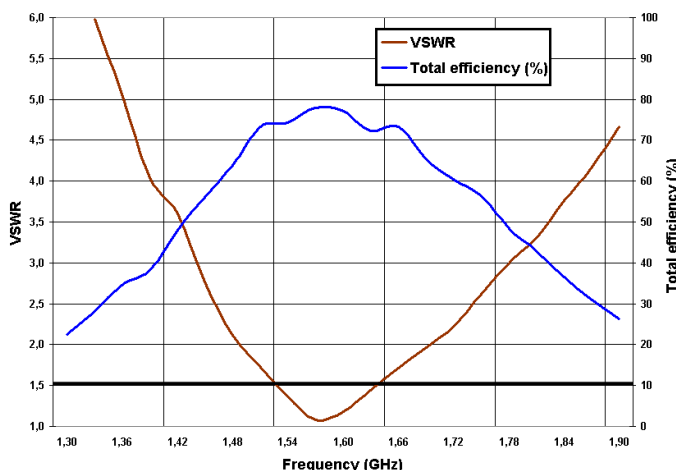
Product Benefits

- **High performance/price ratio**
Raises your device's competitiveness by increasing satellite sensitivity and decreasing your device's BoM cost.
- **Omnidirectional pattern**
Optimises device usage due to a uniform radiation pattern.
- **Small Volume**
Allows integration into space limited areas easily and efficiently.

10 mm x 10 mm x 0.9 mm (image larger than real size)



PAT. US 7,148,850, US 7,202,822



Technical Features	
Frequency	1575 MHz
Radiation Efficiency	77.5%
Peak Gain	1.48 dB
Radiation Pattern	Omnidirectional
VSWR	< 1.5:1
Polarization	Linear
Weight (aprox.)	0.2 g
Temperature	-40 to + 85°C
Impedance	50Ω
Dimensions (L x W x H)	10 mm x 10 mm x 0.9 mm

Measures from the evaluation board (71 mm x 30 mm x 1 mm PCB)

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