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# Antennas GPS-704-X

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MULTI-FREQUENCY ANTENNA  
DELIVERS EXCELLENT PERFORMANCE,  
MULTIPATH REJECTION AND  
L-BAND FUNCTIONALITY

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## EXCEPTIONAL L-BAND RECEPTION

The GPS-704-X Galileo passive antenna features improved performance to ensure excellent operation in all GPS, Galileo and GLONASS frequency bands. The antenna also includes NovAtel's patented Pinwheel® technology for excellent multipath rejection and phase center stability.



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## BENEFITS

- + Provides a single antenna solution for GPS L1, L2, L5, Galileo L1, E5a & b, E6, GLONASS L1, L2, BeiDou B1, B2, B3 and L-Band

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## FEATURES

- + Access to multiple Global Navigation Satellite Systems
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If you require more information about our antennas, visit [www.novatel.com/antennas](http://www.novatel.com/antennas)

# GPS-704-X

## PERFORMANCE

<b>3 dB Pass Band</b>	1.15 - 1.65 GHz
<b>Passive Antenna</b>	External LNA Required
<b>Gain at Zenith (90°)</b>	
L1	+6.0 dBic (minimum)
L2, B2	+2.5 dBic (minimum)
L5, E5a	+2.0 dBic (minimum)
E6, B3	+3.0 dBic (minimum)
L-Band, B1	+6.0 dBic (minimum)
<b>Gain Roll-Off (from Zenith to Horizon)</b>	
L1, L-Band, B1	14 dB
L2, E6, B2, B3	11 dB
L5, E5	11 dB
<b>VSWR</b>	≤ 2.0 : 1
<b>Nominal Impedance</b>	50 Ω
<b>Altitude</b>	9,000 m

## PHYSICAL AND ELECTRICAL

<b>Size</b>	
Diameter <sup>1</sup>	185 mm
Height	69 mm
<b>Weight</b>	468 g
<b>Connector</b>	TNC female

## ENVIRONMENTAL

<b>Temperature</b>	
Operating	-40°C to +85°C
Storage	-55°C to +85°C
<b>Humidity</b>	95% non-condensing
<b>Salt Spray</b>	MIL-STD-810F, 509.4
<b>Waterproof</b>	IEC 60529 IPX7
<b>Compliance</b>	CE
<b>RoHS</b>	EU Directive 2011/65/EU

For the most recent details of this product:  
[www.novatel.com/products/gnss-antennas/high-performance-gnss-antennas/gps-704-x/](http://www.novatel.com/products/gnss-antennas/high-performance-gnss-antennas/gps-704-x/)

## novatel.com

sales@novatel.com

1-800-NOVATEL (U.S. and Canada)  
or 403-295-4900

China 0086-21-68882300

Europe 44-1993-848-736

SE Asia and Australia 61-400-883-601

**Version 5** Specifications subject to change without notice.

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1. Not including tape measure tab. Full diameter with tape measure tab is 195 mm.

