

# Specifications

# Trimble GA530 Rugged Antenna



## Trimble GA530 Rugged Antenna

Frequencies	L1, 1555-1585 MHz (For -57 model) L1, 1525-1585 MHz (For -35 model) L2, 1217-1237 MHz LBand <sup>1</sup> , 1555-1559 MHz (For -57 model) LBand <sup>1</sup> , 1525-1559 MHz (For -00 model) MSK, 283.5-325.0 kHz
Signal Tracking	GPS, OmniSTAR <sup>1</sup> , MSK Beacon, SBAS
Dimensions	dia 25.4 cm x 11.1 cm H (dia 10" x 4.4" H)
Weight	1.92 kgs (4.22 lbs)
Antenna cable connector	TNC. Sealed
Mounting	1"-14 UNS thread mount with 5/8"-11 UNC thread adapter 4-point mast mount available
Operation temperature	-50 °C to +85 °C (-58 °F to 185 °F)
Storage temperature	-50 °C to +85 °C (-58 °F to 185 °F)
Environmental	Shock: 75 Gs, 6 ms duration, 3 shocks in mutually perpendicular axis. Vibration: 9.8 gRMS, 24-2000 Hz. Bouyant
Humidity	+/- 5 psi sealing. Rain and spray per IEC 60945
Feed	2 point
LNA(Low Noise Amplifier) input	5.5 V DC – 18 V DC (110 mA)
LNA(Low Noise Amplifier) gain	L1 45dB / L2 45dB
Power handling	
Antenna compliance	CE Mark, C-Tick, EN60945
Phase stability	<5 mm
L1, Antenna Phase Centre (APC)	9.20 cm from bottom of center mount 5.82 cm from top of lower housing 9.51 cm from bottom of 4-hole mount

## Notes:

1. Optimised for regional L-Band signal reception. Check that the tracked L-Band frequency is suitable for the OmniSTAR service you wish to use.  
The -57 model will receive OmniStar transmissions over North America only.  
The -35 model is recommended for all regions other than North America.

Specifications subject to change without notice.

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