

TRAM® GPS Antennas

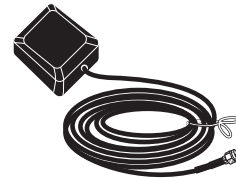
Model Description Connector

GPS-M-SMA	Magnet	SMA
GPS-M-MCX SMA	Magnet	SMA
GPS-M-BNC	Magnet	BNC
GPS-M-MCX	Magnet	MCX
GPS-NMO	NMO Mount Antenna	-

Electrical Specification

Input voltage	2.5 V - 5.5 V
Power consumption	at 3.0 V < 15 mA, at 5.0 V < 22 mA
Cable	17 Ft. RG 174
Antenna	
Frequency range	1575.42 ± 1.023 MHz
Gain	90° : 2.0 dBi Min 20° : 5.0 dBi Min (Mounted on the 60 mm Square ground plane)
LNA	
Frequency range	1575.42 ± 1.023 MHz
Gain	28 ± 4.5 dB (+ 25°C ± 5°C)
Noise figure	1.5 dB Max. (+ 25°C ± 5°C) 2.2 dB Max. (+ 85°C)
Out band rejection	fo = 1575.42 MHz fo ± 20 MHz 7 dB Min fo ± 30 MHz 12 dB Min fo ± 50 MHz 20 dB Min fo ± 1000 MHz 30 dB Min
Output impedance	50
Output VSWR	2.0 Max

GPS-M-SMA
GPS-M-MCX SMA
GPS-M-BNC
GPS-M-MCX

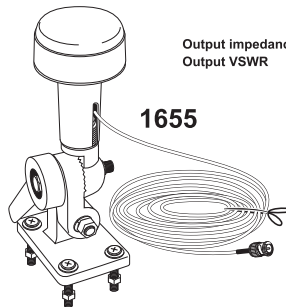


GPS-NMO



Model Description Gain

1655	• 1" - 14 thread mounting • 23 ft. RG-58A/U w/BNC connector w/#1631 nylon ratchet mount	30 dB
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Dual Band Mobile Systems GPS/VHF - GPS/UHF - GPS/Cellular

- For GPS - 1575.42 MHz
- 3/4" hole mount • 17 ft. RG-58U • 17 ft. RG-174 w/SMA installed

GPS/VHF or UHF 1/4 wave - 10 MHz Band Width

- 136-174 MHz or 450-470 MHz
- 20 1/2" stainless steel .100"(2.5mm) whip

Model Connectors

1560-L-CUHF	UHF Male crimp conn. loose
1560-L-MUHF	Mini-UHF Male crimp conn. loose
1560-MUHF	Mini-UHF Male conn. installed
1560-L-BNC	BNC Male crimp conn. loose
1560-BNC	BNC Male conn. installed
1560-L-TNC	TNC Male crimp conn. loose
1560-L-TNC	TNC Male crimp conn. loose
1560-L-N	N-Male crimp conn. loose

GPS/UHF 4 dB Gain - 10 MHz Band Width

- 445-470 MHz • 28 3/4" stainless steel .100"(2.5mm) whip

1565-L-CUHF	UHF Male crimp conn. loose
1565-L-MUHF	Mini-UHF Male crimp conn. loose
1565-L-BNC	BNC Male crimp conn. loose
1565-L-TNC	TNC male crimp conn. loose
1565-L-N	N male crimp conn. loose

GPS/ 800-900 or 890-970 MHz • 3.5 dBd Gain

100 MHz Band Width - SWR < 1.3:1

- Pretuned to 800-900 MHz
- For 890-970 MHz, cut 7/8"(22mm) from bottom of whip
- 12 1/4" whip coils length

1573-L-N	N male crimp conn. loose
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1573

