



1572.42 to 1578.42 MHz, Marine Grade GPS Active Antenna,
28 dBi, SMA Connector, White, ABS Radome, RHCP Polarization

Antennas Technical Data Sheet

PEMARGPS1000

Features

- Ship Marine Waterproof GPS Antenna
- RHCP Polarization
- 1"-14 Female Threads
- 10 Meter RG58
- ABS material
- SMA-Male Connector
- 28 dBi LNA Gain
- IP67 rated antenna

Applications

- Boat Ship Marine GPS Navigation systems
- Modem Receiver
- Search and Rescue
- Geotagging
- GPS L1 Band

Description

The Pasternack PEMARGPS1000 is a single band marine grade GPS active antenna that ships on the same day as ordered. Our RHCP polarized antenna with 1572.42 to 1578.42 MHz frequency range has a SMA connector. This antenna with a white radome made of ABS has an overall length of 3.79 inch, a width of 3.79 inch and a weight of 1.54 lbs.

Pasternack's PEMARGPS1000 is a single band antenna operating from 1572.42 to 1578.42 MHz with 28 dBi gain. The antenna has a maximum input VSWR of 1.5:1.

Pasternack has one of the largest in-stock collections of marine grade GPS active antennas with our wide selection of superior quality RF parts, that ship same day. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal single band GPS active antenna as per your requirement.

Configuration

Design	GPS Active
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	RHCP
Connector Type	SMA
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1,572.42		1,578.42	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain	25	28	31	dBi
Input Power			5	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1572.42 to 1578.42 MHz, Marine Grade GPS Active Antenna, 28 dBi, SMA Connector, White, ABS Radome, RHCP Polarization PEMARGPS1000](#)



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Mechanical Specifications

Radome Material	ABS
Size	
Overall Length	3.79 in [96.27 mm]
Width	3.79 in [96.27 mm]
Height	5.12 in [130.05 mm]
Weight	1.54 lbs [698.53 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

1572.42 to 1578.42 MHz, Marine Grade GPS Active Antenna, 28 dBi, SMA Connector, White, ABS Radome, RHCP Polarization from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

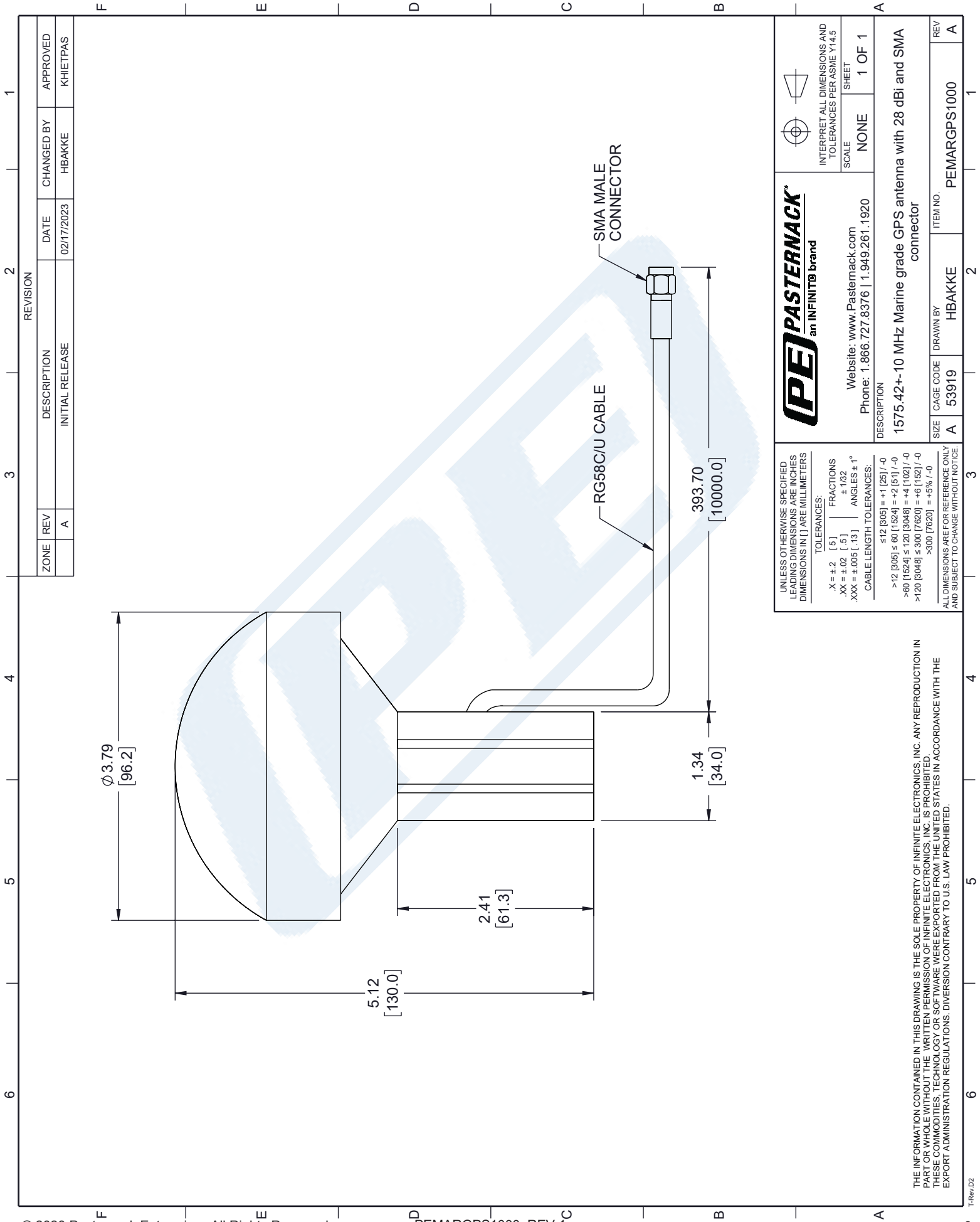
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1572.42 to 1578.42 MHz, Marine Grade GPS Active Antenna, 28 dBi, SMA Connector, White, ABS Radome, RHCP Polarization PEMARGPS1000](#)

URL: <https://www.pasternack.com/28-dbi-gps-active-antenna-1572.42-1578.42-mhz-sma-connector-pemargps1000-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PEMARGPS1000 CAD Drawing

1572.42 to 1578.42 MHz, Marine Grade GPS Active Antenna, 28 dBi,
SMA Connector, White, ABS Radome, RHCP Polarization



REVISION				SHEET	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	02/17/2023	HBAKKE	KHIETPAS

PE PASTERNAK an INFINITO brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION 1575.42+-10 MHz Marine grade GPS antenna with 28 dBi and SMA connector			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	HBAKKE	PEMARGPS1000

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	TOLERANCES: .X = ±.2 [5] .XX = ±.02 [.5] .XXX = ±.005 [.13]	FRACTIONS ±.1/32 ANGLES ± 1°	CABLE LENGTH TOLERANCES: ≤12 [305] = ±.1 [25] / -0 >12 [305] ≤ 60 [1524] = +.2 [51] / -0 >60 [1524] ≤ 120 [3048] = +.4 [102] / -0 >120 [3048] ≤ 300 [7620] = +.6 [152] / -0 >300 [7620] = +.5% / -0
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