



Antenna Operates From 1.7 GHz to 2.5 GHz With
a Typical 2 dBi Gain N Male Input Connector

Antennas Technical Data Sheet

PE51117A

Features

- 1710 - 2500 MHz omnidirectional rubberduck antenna
- Military grade rugged antenna
- Vertical Polarized
- 2 dBi gain
- 50 W power handling capacity
- Type N Male connector
- Black

Applications

- GSM/CDMA/LTE cellular communications
- WiMax & IOT
- 2.4 GHz Wi-Fi
- Military radio relay, telemetry and Control station communications
- Super rugged

Description

PE51117A from Pasternack is part of our extensive in-stock omni-directional radio antenna selection. This single band portable antenna has a frequency range of 1.7 GHz to 2.5 GHz and a nominal dBi gain. Our portable antenna uses type N male connector and is rated for 50 Watts input.

PE51117A portable radio antenna is one of over 40,000 RF, microwave and millimeter wave components supplied from Pasternack. Our portable aerial can be bought and shipped worldwide the same-day as with our other available RF parts.

Configuration

Design	Portable
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Ground Plane	No
Connector Type	N Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1,700		2,500	MHz
Operational Bandwidth		0.8		GHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		2		dBi
Horizontal (Azimuth) Beam Width		70		Degrees
Vertical (Elevation) Beam Width		Omnidirectional		
Input Power			50	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Antenna Operates From 1.7 GHz to 2.5 GHz With a Typical 2 dBi Gain N Male Input Connector PE51117A](#)



Antenna Operates From 1.7 GHz to 2.5 GHz With
a Typical 2 dBi Gain N Male Input Connector

Antennas Technical Data Sheet

PE51117A

Mechanical Specifications

Size

Overall Length	9.8 in [248.92 mm]
Width	0.812 in [20.62 mm]
Height	0 in [0 mm]
Weight	0.2845 lbs [129.05 g]

Environmental Specifications

Wind Loading	100 MPH [160.93 KPH]
--------------	----------------------

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

Plotted and Other Data

Notes:

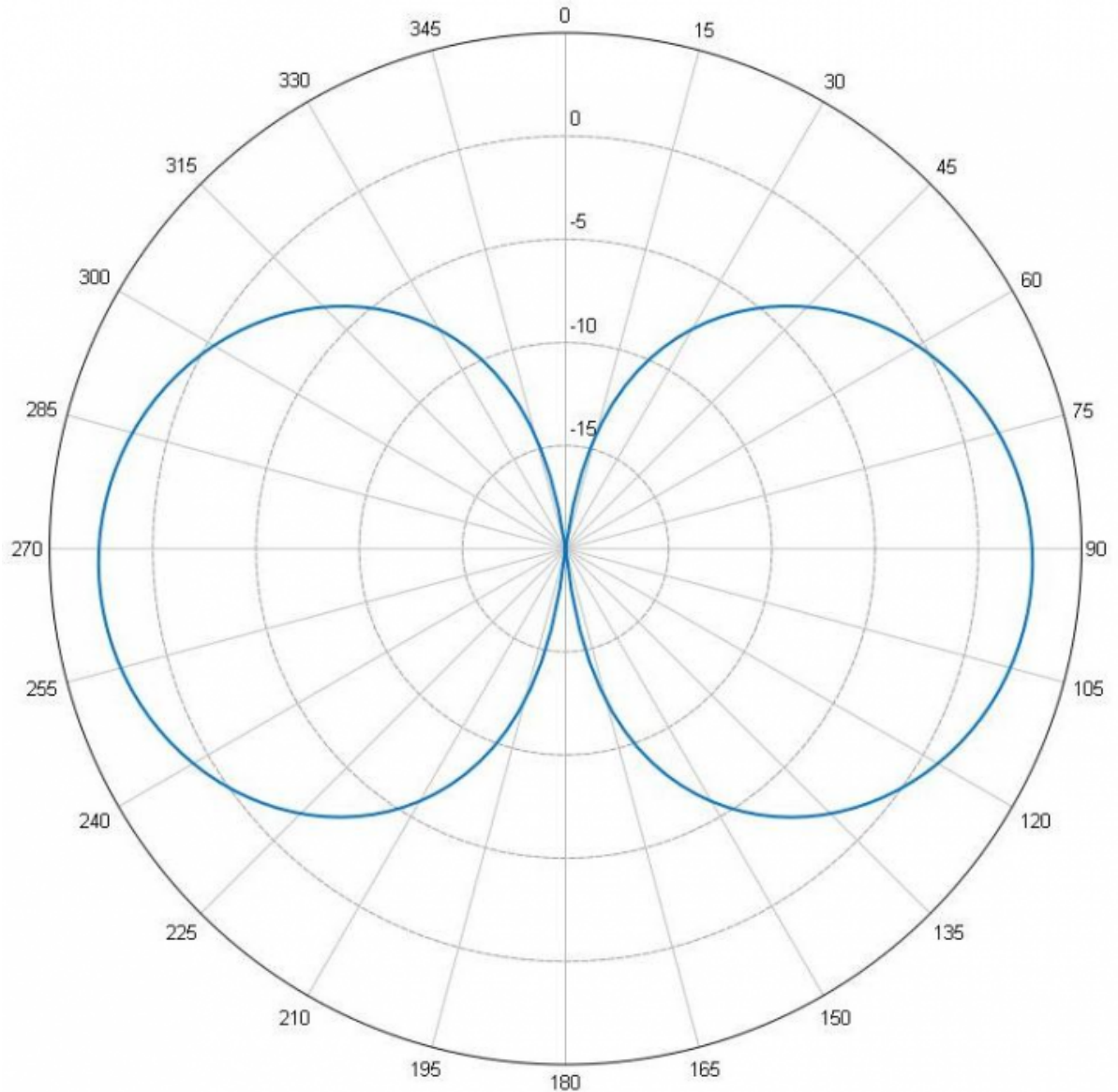
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Antenna Operates From 1.7 GHz to 2.5 GHz With a Typical 2 dBi Gain N Male Input Connector PE51117A](#)

Antenna Operates From 1.7 GHz to 2.5 GHz With
a Typical 2 dBi Gain N Male Input Connector



Antennas Technical Data Sheet

PE51117A



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Antenna Operates From 1.7 GHz to 2.5 GHz With a Typical 2 dBi Gain N Male Input Connector PE51117A](#)



Antenna Operates From 1.7 GHz to 2.5 GHz With
a Typical 2 dBi Gain N Male Input Connector

Antennas Technical Data Sheet

PE51117A

Antenna Operates From 1.7 GHz to 2.5 GHz With a Typical 2 dBi Gain N Male Input Connector 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.

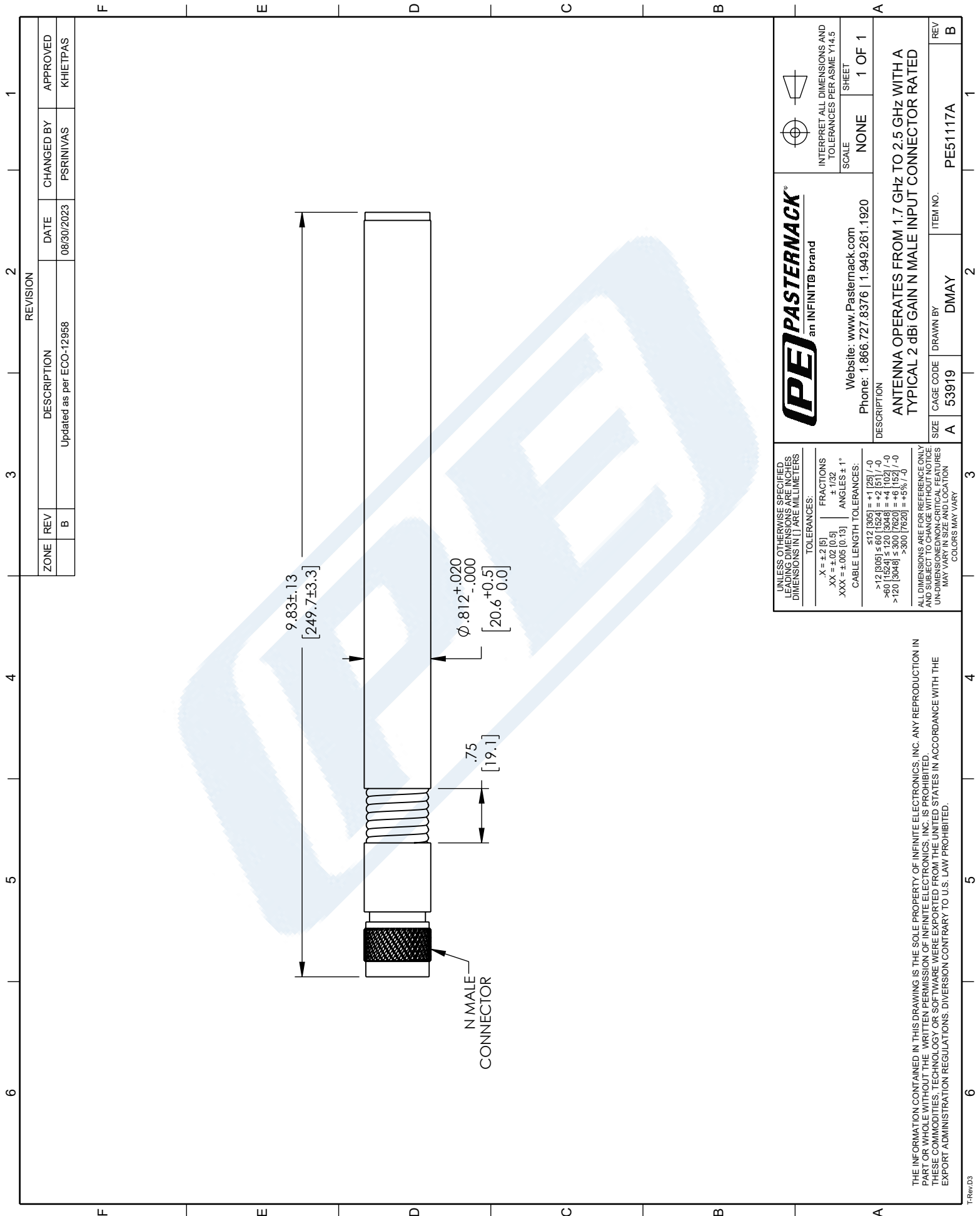
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Antenna Operates From 1.7 GHz to 2.5 GHz With a Typical 2 dBi Gain N Male Input Connector PE51117A](https://www.pasternack.com/single-antenna-1.7-2.5-ghz-2-dbi-gain-n-pe51117a-p.aspx)

URL: <https://www.pasternack.com/single-antenna-1.7-2.5-ghz-2-dbi-gain-n-pe51117a-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.

PE51117A CAD Drawing

Antenna Operates From 1.7 GHz to 2.5 GHz With a
Typical 2 dBi Gain N Male Input Connector



ZONE		REV	REVISION		1	
		B	DESCRIPTION	DATE	CHANGED BY	APPROVED
			Updated as per ECO-12958	08/30/2023	PSRINIVAS	KHIETPAS