

3 dBi MultiBand Portable Antenna
617-2690 MHz N Type Connector



Antennas Technical Data Sheet

PE51OM1028

Features

- Type N Male Connector
- Black Omni for Indoor or Outdoor
- IP67 Weatherproof for all Environments
- 0 to 3 dBi Gain

Applications

- 4G & 5G Networks, Public or Private
- 600, 700, 850, 900, 1800, 1900, 2100, 2600 MHz
- IoT, Cellular, Zigbee, Z-Wave, Bluetooth

Description

The Pasternack 5G PE51OM1028 Omnidirectional Black Antenna is available to ship the same day. This 5G antenna is a high performance, lightweight and compact antenna. This omnidirectional antenna is designed for the 600 MHz to 2700 MHz bands. Pasternack's PE51OM1028 is a coaxial sleeve design with an omni-directional pattern. It is ideally suited for 4G, 5G, LTE and other sub 6 GHz Cellular bands in both private and public networks. It features a brass Type N male connector. The N male connector allows it to be mounted to a radio or terminal without the need for a coax jumper.

The 5G high performance omnidirectional PE51OM1028 from Pasternack is a flexible antenna providing 0 to 3.5 dBi gain and broad coverage. It is suitable for 600, 700, 800, 850, 900, 1800, 1900, 2100, 2300 and 2600 MHz bands and any network using sub 6 GHz 5G bands. The PE51OM1028 is painted black to blend in with industrial backgrounds.

This 5G N male Cellular antenna just like the other RF components from Pasternack is in stock and ships the same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on any Pasternack products.

Configuration

Design	Portable
Band Type	Multi
Radiation Pattern	Omni Directional
Wavelength	1/4
Polarization	Vertical
Connector Type	N Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	617		2.69	MHz
Input VSWR			3:1	
Impedance		50		Ohms
Gain	2	3		dBi

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	617-960	1,710-2,690				MHz
Gain	2	3				dBi

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3 dBi MultiBand Portable Antenna 617-2690 MHz N Type Connector PE51OM1028](#)

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Mechanical Specifications

Radome Material	ABS
Height	7.36 in [186.94 mm]

Connectors

Description	Connector 1	Connector 2	Connector 3
Body Material and Plating	Brass		

Environmental Specifications

Temperature

Operating Range	-20 to +65 deg C
Storage Range	-20 to +65 deg C

Environment	IP67
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

3 dBi MultiBand Portable Antenna 617-2690 MHz N Type 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: [3 dBi MultiBand Portable Antenna 617-2690 MHz N Type Connector PE51OM1028](#)

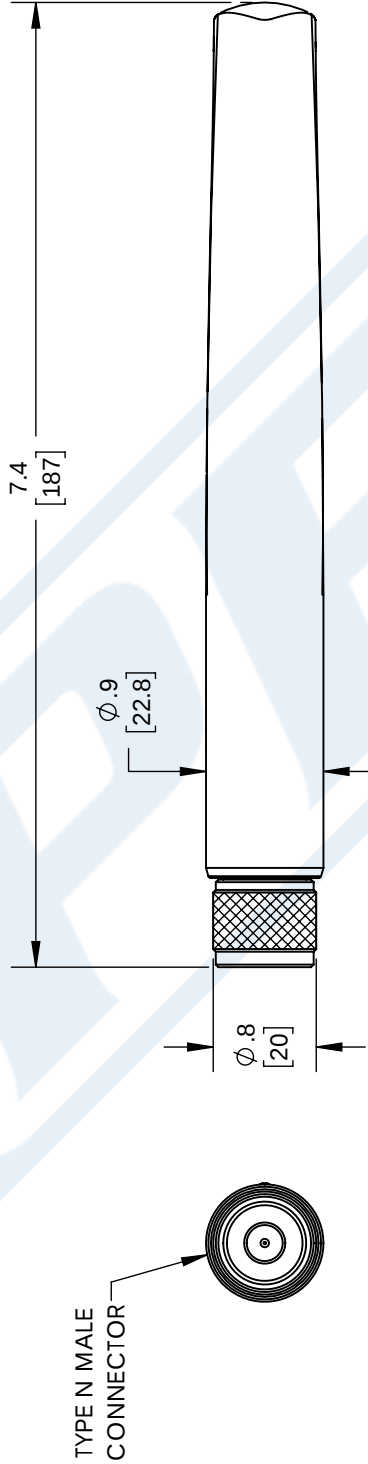
URL: <https://www.pasternack.com/multi-antenna-617-mhz-2.69-ghz-3-dbi-gain-n-pe51om1028-p.aspx>

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.

PE51OM1028 CAD Drawing

3 dBi MultiBand Portable Antenna 617-2690 MHz N Type Connector

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/08/2020	KHIETPAS



PE PASTERNAK an INFINITI® brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com		THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A												
SIZE A	CAGE CODE 53919	DRAWN BY BPUCHASKI	ITEM NO. PE51OM1028											
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: <table border="0"> <tr> <td>.X = ±.2 [5.08]</td> <td>FRACTIONS ±1/32</td> </tr> <tr> <td>.XX = ±.02 [.51]</td> <td>ANGLES ±1°</td> </tr> <tr> <td>.XXX = ±.005 [.13]</td> <td></td> </tr> </table> CABLE LENGTH (L) TOLERANCES: <table border="0"> <tr> <td>L ≤ 12 [305] = +1 [25] / -0</td> </tr> <tr> <td>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</td> </tr> <tr> <td>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</td> </tr> <tr> <td>300 [7620] < L = +5% / -0</td> </tr> </table> ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.				.X = ±.2 [5.08]	FRACTIONS ±1/32	.XX = ±.02 [.51]	ANGLES ±1°	.XXX = ±.005 [.13]		L ≤ 12 [305] = +1 [25] / -0	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	300 [7620] < L = +5% / -0
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