2400-2500 MHz, 2.3 dBi, Stamped Metal AP/Router Embedded Antenna

Antennas Technical Data Sheet   PESMA1007

Features

- High Efficiency
- Isotropic radiation patterns
- Linear polarization
- Ultra-Compact design
- Low loss material

- Extended operating temperatures
- Case mounting or on board mount
- Frequency stabilization
- Single piece for easy buy

Applications

- IoT, M2M, Telemetry
- Wireless Remote Control
- Personal Area Networks(PAN)
- Industrial/Commercial Equipment
- 2.4/5 GHz - Wi-Fi/BT/BLE/ZigBee/ISM applications

- IEEE802.11a/b/g/n/ac embedded applications
- Remote Technology / Monitoring
- Consumer Tracking
- Smart Home / Wearables / Devices
- Agriculture, healthcare, digital signage

Description

Linear polarized antenna PESMA1007 from Pasternack is part of our extensive in-stock omni directional antennas that ship the same day from our ISO 9001:2015 certified facility. The stamped metal antenna has a maximum frequency of 2500 MHz and a minimum frequency of 2400 MHz. This stamped metal antenna has a maximum input VSWR of 2:1.

This stamped metal antenna has an overall length of 1.11 inches and a width of 0.32 inches. Pasternack's PESMA1007 is a single band antenna operating from 2400 to 2500 MHz with a 2.3 dBi gain. Our high-quality omni directional antenna has an impedance of 50 Ohms.

Pasternack's experts are on hand to assist you with any inquiries. Order this PESMA1007 stamped metal antenna 7 days a week, 24 hours a day, using our on-line ordering system with no MOQs (minimum order quantity) and same-day shipping. Our knowledgeable sales team and ability in the global availability market allow us to lead the industry in supplying RF products like these omni directional antennas.

Configuration

Design	Stamped Metal
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		2,500	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		2.3		dBi
Input Power			1	Watt

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2400-2500 MHz, 2.3 dBi, Stamped Metal AP/Router Embedded Antenna PESMA1007

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com

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2400-2500 MHz, 2.3 dBi, Stamped Metal
AP/Router Embedded Antenna

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Mechanical Specifications

Size
Overall Length	1.11 in [28.19 mm]
Width	0.32 in [8.13 mm]
Height	0.07 in [1.78 mm]

Environmental Specifications
Temperature
Operating Range   -20 to +65 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data
Notes:

2400-2500 MHz, 2.3 dBi, Stamped Metal AP/Router Embedded Antenna 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: 2400-2500 MHz, 2.3 dBi, Stamped Metal AP/Router Embedded Antenna PESMA1007

URL: https://www.pasternack.com/2.3-stamped-metal-antenna-2400-2500-mhz-4694r-br-connector-pesma1007-p.aspx

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.24
[6.0]

.01
[0.3]

.07
[1.8]

.33
[8.3]

.09
[2.2]

.12
[3.1]

.02
[0.5]

1.11
[28.3]

.86
[21.9]

.05
[1.2]

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	04/13/2023	HBAKKE	KHIETPAS

REVISION

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

INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
2400 - 2500 MHz 2.3 dBi, Stamped Metal Antenna

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	HBAKKE	PESMA1007	A

PESMA1007

PE PASTERNACK®
an INFINITE brand

T-Rev.D2