



## 1800-1900 MHz, 3 dBi, Stamped Metal DECT Embedded Antenna

### Antennas Technical Data Sheet

**PESMA1009**

#### Features

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

- Extended operating temperatures
- On board mount
- Frequency stabilization
- Single piece for easy buy

#### Applications

- IoT, M2M, Telemetry
- Industrial/Commercial Equipment
- Digital Enhanced Cordless Telecommunications Standard (DECT)
- 3G compatibility

- Remote Technology / Monitoring
- Consumer Tracking
- Smart Home /Wearables/Devices
- Agriculture, healthcare, digital signage

#### Description

Linear polarized antenna PESMA1009 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 1900 MHz and a minimum frequency of 1800 MHz. This stamped metal antenna has a maximum input VSWR of 2:1.

This stamped metal antenna has an overall length of 1.14 inches and a width of 0.6 inches. Pasternack's PESMA1009 is a single band antenna operating from 1800 to 1900 MHz with a 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 PESMA1009 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  
 Band Type  
 Radiation Pattern  
 Polarization

Stamped Metal  
 Single  
 Omni Directional  
 Linear

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1,800		1,900	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		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: [1800-1900 MHz, 3 dBi, Stamped Metal DECT Embedded Antenna PESMA1009](#)



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#### Mechanical Specifications

##### Size

Overall Length

1.14 in [28.96 mm]

Width

0.6 in [15.24 mm]

Height

0.03 in [0.76 mm]

#### Environmental Specifications

##### Temperature

Operating Range

-20 to +65 deg C

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

#### Plotted and Other Data

Notes:

1800-1900 MHz, 3 dBi, Stamped Metal DECT 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.

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URL: <https://www.pasternack.com/3-stamped-metal-antenna-1800-1900-mhz-4694r-br-connector-pesma1009-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.

# PESMA1009 CAD Drawing

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