413 to 423 MHz Rubber Duck Antenna SMA Male



PEANRBD1069

Features

- 413 MHz to 423 MHz
- SMA Male connector
- VSWR 2:1
- Linear polarization

Applications

- LPWAN
- ISM
- Weightless-P
- Fixed and Mobile Devices

Description

The PEANRBD1069 is a high-quality single-band rubber duck antenna witha frequency range of 413 MHz to 423 MHz. Pastenack's omnidirectional rubber duck antenna is 2 inches tall and 0.37 inches wide.

The PEANRBD1069 rubber duck antenna from Pastenack features a SMA Male connector with an input VSWR (voltage standing wave ratio) of 2:1.

Pastenack's linearly polarized antenna can operate at temperatures ranging from -40 °C to 60 °C. This single-band rubber duck antenna is offered with expert technical support, PDF datasheets, and CAD drawings with dimensions and specifications.

Configuration

Design	Rubber Duck
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Linear
Connector Type	SMA Male
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	413		423	MHz
Center Frequency		418		MHz
Input VSWR			2:1	
Impedance		50		Ohms

Mechanical Specifications

Radome Material	ABS
Size	
Length	6 in [152.4 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.015 lbs [6.8 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C

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Storage Range	-40 to +80 deg C
Ingress Protection	IP65

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Radiation Pattern

Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

413 to 423 MHz Rubber Duck Antenna SMA Male 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: 413 to 423 MHz Rubber Duck Antenna SMA Male PEANRBD1069

URL: https://www.pasternack.com/413-423-mhz-rubber-duck-antenna-sma-male-peanrbd1069.html

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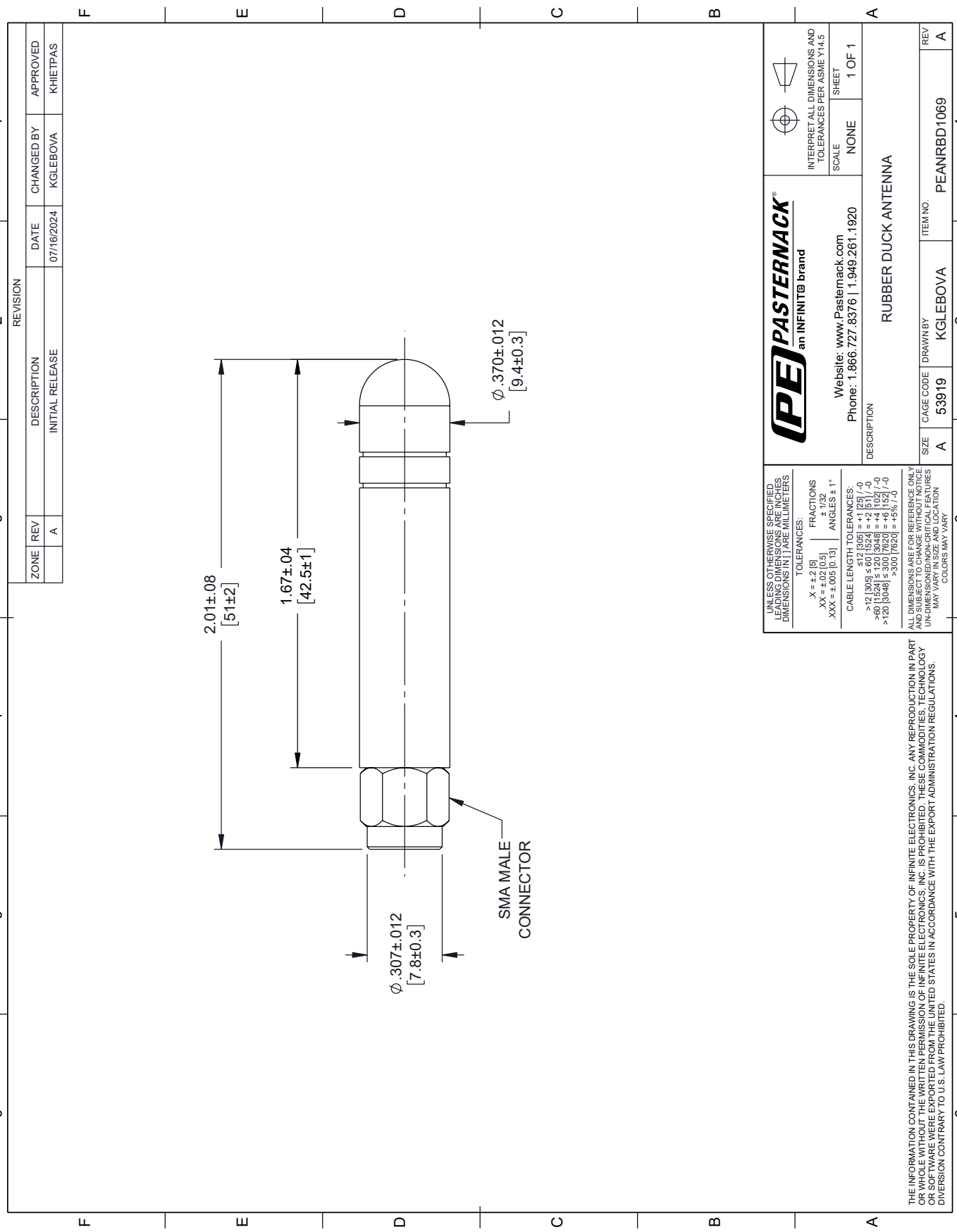
PEANRBD1069 CAD Drawing

413 to 423 MHz Rubber Duck Antenna SMA Male



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