

GLU4FG3NTO 225-400 MHz 3 dBi

Fiberglass Omnidirectional Antenna with NATO 4-Hole Base

MODEL GLU4FG3NTO

225-400 MHz omnidirectional fiberglass antenna with 3 dBi gain and a shock-absorbing spring on a 4-hole NATO base, designed for low-frequency UAV and military vehicular platforms.



KEY PERFORMANCE

225-400 MHz

FREQUENCY

3 +/- 0.5 dBi

GAIN

<= 1.5

VSWR

N Female

CONNECTOR

PRODUCT HIGHLIGHTS

VERIFIED HIGHLIGHTS

Low-frequency 225-400 MHz omnidirectional fiberglass antenna with 3 +/- 0.5 dBi gain, vertical polarization, and 60 +/- 3 degrees vertical beamwidth; integrated black shock-absorbing spring on a 4-hole NATO flange base; fiberglass radome in military green with N Female connector; 730 +/- 20 mm overall length and 1.2 kg net weight; 200 W maximum input power.

TYPICAL APPLICATIONS

VERIFIED APPLICATIONS

Low-frequency UAV command-and-control links, military vehicular VHF/UHF radios, NATO-band tactical communications, ground-vehicle whip replacement, and outdoor fixed-site platforms that need a rugged spring-mounted omnidirectional radiator.

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Frequency range	225-400 MHz
Gain	3 +/- 0.5 dBi
Horizontal half-power beamwidth	360 degrees
Vertical half-power beamwidth	60 +/- 3 degrees



PRODUCT DATASHEET

SKU GLU4FG3NTO
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ELECTRICAL SPECIFICATIONS

VSWR	≤ 1.5
Average power, maximum	200 W
Impedance	50 ohm
Polarization	Vertical

MECHANICAL SPECIFICATIONS

Dimensions	Dia. 32 x 730 +/- 20 mm
Net weight	1.2 kg
Radome material	Fiberglass
Radome color	Military Green
Spring base color	Black
Connector	N Female (1x)

ENVIRONMENTAL SPECIFICATIONS

Application	Outdoor
Operating temperature	-40 to +70 degrees C (-40 to +158 degrees F)
Humidity	5 to 95 %
Survival wind velocity	60 m/s

MOUNTING SPECIFICATIONS

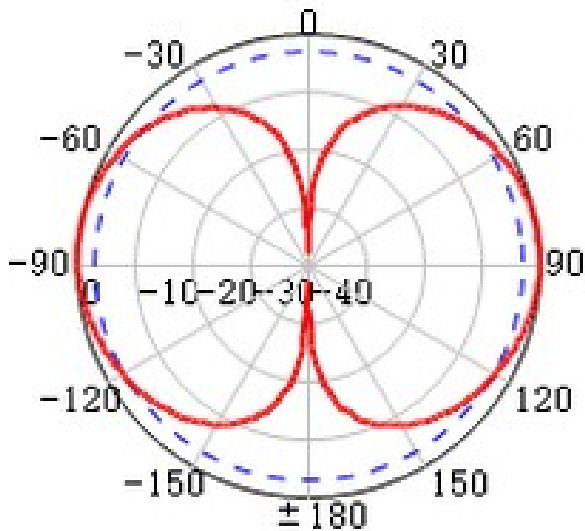
Mounting style	4 Hole NATO Base
Shock absorption	Built-in spring between radome and base
Optional wrap	Black heat shrink tube on request

NOTES

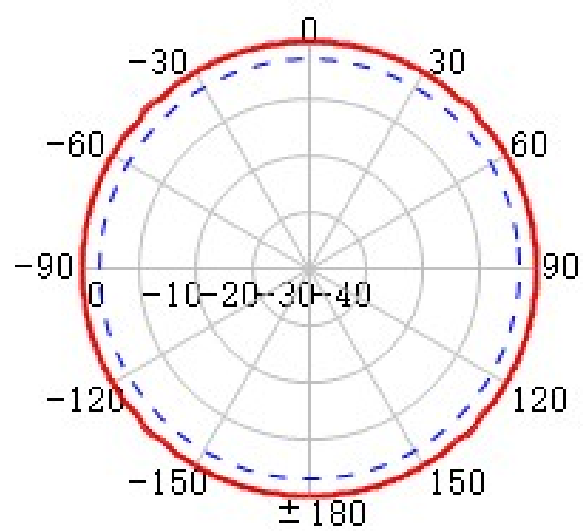
The source PDF cover heading lists a band that does not match the Electrical Specifications table on the same page, which states Frequency Range 225-400 MHz. The main specification table is the authoritative source and is used here. The source PDF header carries a third-party supplier name and contact block which is intentionally not propagated to this datasheet.

PATTERN APPENDIX

Vertical pattern



Horizontal pattern



RADIATION PATTERN PLOTS (SIDE-BY-SIDE, BOTH SHOWN IN APPENDIX IMAGE)

Vertical plane (elevation, +/- 180 degrees)

Typical dipole-shaped main lobe, 60 degrees half-power beamwidth (red solid = E-plane, blue dashed = H-plane).

Horizontal plane (azimuth, 360 degrees)

Omnidirectional envelope (red solid = co-pol, blue dashed = cross-pol).

Source of the two pattern plots

User-supplied polar plots captured alongside the source datasheet.

MECHANICAL REFERENCE POINTS

Radome length

Approximately 700 mm of fiberglass section above the spring

Spring section

Coiled steel shock absorber between radome and flange

Base flange

Black 4-hole NATO pattern base for vehicle roof or shelter mount

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NEED A CUSTOM CONFIGURATION?

Frequency, connector, cable length and mounting options can be reviewed for your project.

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