

694-960 MHz, Omnidirectional Antenna, 11 dBi gain,  
2-14 Degree RET, 2 x 4.3-10 Female Connector



## HG700DPU11-4F-R

### Features

- 2-14° Remote Electrical Tilt (RET) using AISG 2.0
- Internal RET
- 694-960 MHz
- Omnidirectional
- 11 dBi gain
- Fiberglass radome for easy and rugged installation
- Rooftop Mount
- 2 x 4.3-10 Female Connectors for Low Passive Intermodulation (PIM)
- <-150 dBc PIM at 2x20W tones

### Applications

- Public Safety
- Wireless Data / cellular networks
- 700, 800, 850 MHz Bands

### Description

The L-com HG700DPU11-4F-R is a RET Omni antenna with 45 deg. slant and 694 to 960 MHz frequency range with two low PIM 4.3-10 female connectors. Remote Electrical Tilt (RET) antennas allow for the remote adjustment of its tilt angle. This feature optimizes signal strength and coverage, improving network performance and user experience. Communication networks that require continuous optimization to adjust antenna beams to changing traffic patterns and environmental conditions will benefit from the remote AISG controller ready capabilities of the HG700DPU11-4F-R RET antenna.

L-com's HG700DPU11-4F-R operates from 694 to 960 MHz with 11 dBi gain. This Omnidirectional antenna has a maximum input VSWR of 1.5:1 and a maximum input power of 250 watts.

Whether using a handheld controller or a base station radio with integrated AISG controller, the HG700DPU11-4F-R remote management capabilities make it easy to adjust the electrical tilt angle. Its durable fiberglass construction enables it to withstand harsh environments, making it suitable for use in various communication applications. The HG700DPU11-4F-R RET antenna has a Passive Intermodulation rating of -150 dBc, which results in reduced interference, more reliable communication, and increased operational efficiency.

L-com has one of the largest in-stock collections of Omni directional antennas with our wide selection of superior quality RF parts, that ship same day. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal multi band Omni antenna as per your requirement.

### Configuration

Design	Omni
Band Type	Multi
Radiation Pattern	Omni Directional
Polarization	45 Deg. Slant
Connector Type	4.3-10 Female
Number of Ports	2
Lightning Protection	DC Grounded

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[694-960 MHz, Omnidirectional Antenna, 11 dBi gain, 2-14 Degree RET, 2 x 4.3-10 Female Connector HG700DPU11-4F-R](#)

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## HG700DPU11-4F-R

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	694		960	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		11		dBi
Input Power			250	Watts
Passive Intermodulation			-150	dBc
Intermodulation IM3 (2×43dBm carrier)				
Downtilt	2		14	Degrees

### Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.694 to 0.79	0.79 to 0.89	0.89 to 0.96			GHz
Gain	10.4	11	11.4			dBi
Horizontal HPBW	360	360	360			Degrees
Vertical HPBW	9.5	8.7	8.1			Degrees
Port to Port Isolation	25	25	25			dB

### Mechanical Specifications

Radome Material	Fiberglass
<b>Size</b>	
Length	90.55118 in [230 cm]
Width	14.9606 in [380 mm]
Height	14.9606 in [380 mm]
Mounting Mast Diameter	1.97 to 4.53 in [50.04 to 115.06 mm]
Weight	115 lbs [52.16 kg]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-50 to +65 deg C
Wind Survivability	134.22 MPH [216.01 KPH]
Wind Loading	154 lbf (683 N) @ 93 mph (150 km/h)

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

### Plotted and Other Data

Notes:

694-960 MHz, Omnidirectional Antenna, 11 dBi gain, 2-14 Degree RET, 2 x 4.3-10 Female Connector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within 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 impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

L-com CAD Drawing

