1-port omni antenna, 450–470 MHz, 360° HPBW, fixed electrical tilt

• Invert mountable

General Specifications

Antenna Type	Omni
Band	Single band
Color	Off-white
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	Fiberglass, UV resistant
Radiator Material	Brass
RF Connector Interface	N Female
RF Connector Location	Bottom
RF Connector Quantity, low band	1
RF Connector Quantity, total	1
Dimensions	
Length	5588 mm 220 in
Net Weight, without mounting kit	10 kg 22.046 lb
Outer Diameter	76.2 mm 3 in
Electrical Specifications	
Impedance	50 ohm
Operating Frequency Band	450 – 470 MHz
Polarization	Vertical

Electrical Specifications

Frequency Band, MHz	450-470
Gain, dBi	12.1
Beamwidth, Horizontal,	360
degrees	

Page 1 of 2

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: September 9, 2024



ASP705K

Beamwidth, Vertical, degrees	7
Beam Tilt, degrees	0
VSWR Return loss, dB	1.5 14.0
Input Power per Port, maximum, watts	500

Mechanical Specifications

Wind Loading @ Velocity, maximum	364.8 N @ 100 mph (82.0 lbf @ 100 mph)
Wind Speed, maximum	201 km/h (125 mph)

Regulatory Compliance/Certifications

_

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

ASPR616

Pipe Mounting Kit for 1.25 - 3.5 in (35 - 89.0 mm) OD round members

- * Footnotes
- Performance Note Severe environmental conditions may degrade optimum performance

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: September 9, 2024

