



ASPA685

1-port omni antenna, 151–158 MHz, 360° HPBW, fixed electrical tilt

- Extremely rugged, reliable design, light weight for low tower loading

Electrical Specifications

Frequency Band, MHz	151–158
Gain, dBi	7.4
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	15.0
Beam Tilt, degrees	0
VSWR Return Loss, dB	1.5 14.0
Input Power per Port, maximum, watts	350
Polarization	Vertical
Impedance	50 ohm

General Specifications

Operating Frequency Band	151 – 158 MHz
Antenna Type	Omni
Band	Single band
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	1
RF Connector Quantity, low band	1
RF Connector Interface	N Male
Color	Off-white
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Brass
Radome Material	Fiberglass, UV resistant
RF Connector Location	Bottom
Wind Loading, maximum	377.2 N @ 100 mph 84.8 lbf @ 100 mph
Wind Speed, maximum	232 km/h 144 mph

Dimensions

Length	6350.0 mm 250.0 in
Outer Diameter	89.0 mm 3.5 in
Net Weight, without mounting kit	9.7 kg 21.4 lb

Regulatory Compliance/Certifications

ASPA685

Agency

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

ISO 9001:2008

Classification

Compliant by Exemption

Above Maximum Concentration Value (MCV)

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