DATASHEET

Antenna model UL-4180-319

A broadband, rugged, mobile radio antenna featuring a high ESD (Electro-Static Discharge) isolation. With modest dimensions of 1.5"/4 cm (OD) x 4"/10 cm (height), this antenna radiates with a typical peak omnidirectional gain of +4 dBil, when mounted on a large metal surface of at least 16"/40 cm radius. This antenna will survive a 20 ft drop onto asphalt and continue operating. Internally, the radiating element is DC grounded and the feedpoint is DC isolated beyond 1 kV.

Frequency range: 415-421 MHz

Coverage: Omni-directional, low azimuthal ripple

Polarization: Linear, Vertical

Gain: +3 dBil

Nominal Impedance: 50 ohm (RF), Open Circuit (DC) 1 kV isolation

VSWR: 2.0

Connector: NMO, Female

Dimensions: Housing 3.8 cm (1.5") OD x 10.3 cm (4.05") h

Bottom flange 5 cm (2") OD x 3 mm (0.12") h

Mounting: direct NMO connector mount

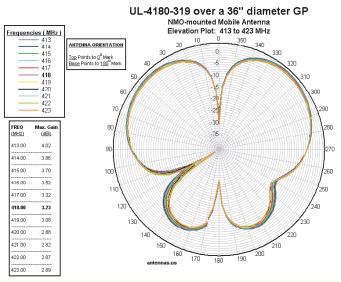
Operating Temperatures: -40 °C to +85 °C

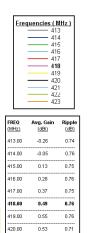
Shock: Operates after drop from 6 m/20 ft onto asphalt

Weight: 100 g / 0.25 lbsShipping Weight: 200 g / 0.45 lbs

NOTES:

Requires a ground plane (normally mounts on a metal body)



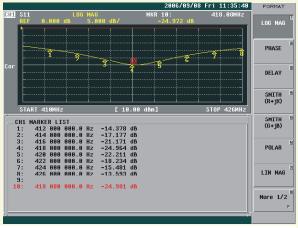


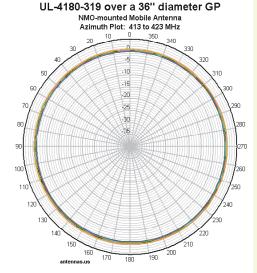
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0.64



Patent Pending





Specifications subject to change without notice

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