

Control Station Omni Fiberglass Antenna, 825-890, 2.1dBi, N Female



Product Description

The CEL-1 and CEL-3S series of control station antennas for 800 MHz mobile telephone service are ruggedly designed to perform in the most demanding environments. Both models feature copper and copper alloy internal construction, all stainless steel ferrules, soft soldered electrical joints - encased in a heavy-wall weather-resistant fiberglass radome. A white Polymer coating double seals the fiberglass and provides a smooth, glossy finish. The antennas are easily removed for storage without handling feed cable due to direct electrical termination at the base. Available in two frequency bands: 824-894 for Cellular Radio (CEL-1, CEL-3S) and 806-869 for Trunking (CEL-1A).



CEL-* Series

Features/Benefits

Technical Specifications

Frequency Band	824-894 MHz, 806-869 MHz
Horizontal Pattern	OmniDirectional
Antenna Type	Fiberglass Omni
Electrical Down Tilt Option	Fixed
Gain, dBi (dBd)	2.1 (0)
Frequency Range, MHz	825-890
Connector Type	N Female
Connector Location	Bottom
Mount Type	Fixed
Electrical Downtilt, deg	0
Orientation	Field Invertible
Mounting Hardware	Fixed
Rated Wind Speed, km/h (mph)	300 (187)
Gain (Omni), dBi (dBd)	2.14 (0)
VSWR	< 2.0:1
Vertical Beamwidth, deg	74
Polarization	Vertical
Maximum Power Input, W	50
Lightning Protection	Direct Ground
Flexible Extensions	None
Impedance, Ohms	50
Overall Length, m (ft)	0.49 (1.6)
Element Housing Length, m (ft)	0.35 (1.15)
Mounting Pipe Diameter, m (in)	0.03 (1)
Support Pipe Length, m (ft)	0.09 (0.3)
Weight, kg (lb)	.36 (0.8)
Radiating Element Material	Copper
Element Housing Material	Fiberglass
Support Pipe Material	6061-T6 Aluminum
Max Wind Loading Area, m ² (ft ²)	0.021 (0.23)
Bend Mom @ Rated Wind 1" Below Top of Mt Pipe, N m (ft lbf)	765 (564)
Shipping Weight, kg (lb)	1.4 (3)
Shipping Dimensions of Accessory - HxWxD, m (ft)	0.01 x 0.01 x 0.01 (0.03 x 0.03 x 0.03)
Shipping Mode	UPS

Notes