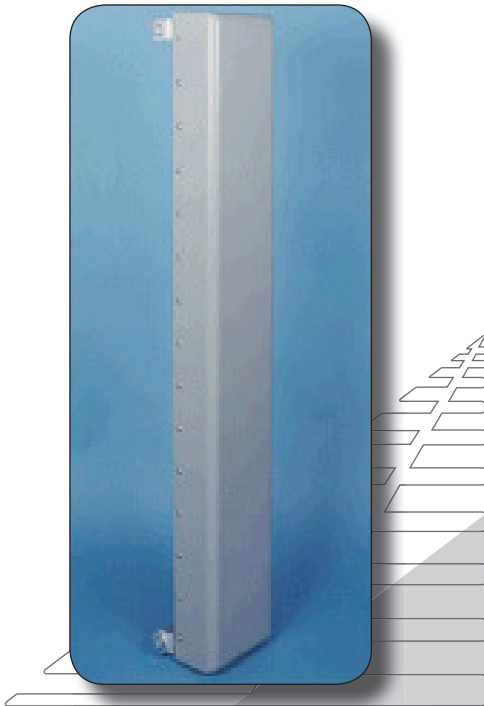


12 dBd 90 DEGREE BEAMWIDTH CELLULAR PANEL ANTENNA

- Wideband Single-Beam Antennas Feature a Low-Profile Flat Panel Design
- Unobtrusive Panels are Available with Vinyl Chameleon Coverings in a Wide Variety of Designs

WIRELESS



Model CEL806-090-12-T3

Phazar Model 806 series cellular panel antennas are wideband single-beam antennas featuring a low-profile flat panel design. The thin, unobtrusive panels are available with vinyl Chameleon coverings in a wide variety of designs. These coverings enable the panels to blend almost invisibly with building walls, thus reducing installation objections and speeding cell site approval. The antennas achieve long-term elimination of intermodulation (IM) distortion through quality construction derived from decades of military experience, plus a special design that eliminates internal contacts that can generate IM distortion. Beams can be factory engineered for electrical downtilt. Mechanical downtilt and pole mount brackets are also available to increase installation options. Model nomenclature explanation.

ELECTRICAL SPECIFICATIONS

SPECS	PERFORMANCE
Frequency Range	806-894 MHz
VSWR, Typical / Maximum	1.35:1 / 1.5:1
Forward Gain (dBd) (+/- 0.5) Avg	12.0 dBi
Polarization	Vertical
Max Power Input	500 Watts
Intermodulation Products 2 x 25 Watts: IM3 (dBc)	< -150
Vertical Beamwidth (-3 dB Points)	13°
Horizontal Beamwidth	90°
Electrical Downtilt	3°
Front-to-Back Ratio, Avg (dB)	23

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

SPECS	PERFORMANCE
Connector and Location	Type 'N' Female or 7/16 DIN, Back
Mounting Hardware Provided	Galvanized Wall / Pole Mount Standard
Optional Brackets	Pole Mount, Downtilt Kit
Dimensions and Weight	57 Inches x 7.25 Inches x 2.75 Inches / 16 lbs
Flat Plate Equivalent	3.1 Sq Ft
Radome	UV Resistant ABS, Standard Color Gray
Radome Options	Chameleon UV Resistant Covering and Solid Colors Available
Lateral Thrust @ 100 MPH	127 lbs
Torsional Moment @ 100 MPH	5 ft lbs
Wind Survival	125 MPH
Lightning Protection	Center Conductor Grounded

**ANTENNA
PRODUCTS™**
Phazar™

101 S. E. 25th Avenue
Mineral Wells, TX 76067

800.553.1507 (USA ONLY)

p: 940.325.3301

f: 940.325.0716

e: sales@antennaproducts.com

www.antennaproducts.com

Pursuant to APC's policy of continuous product improvement, specifications are subject to change without notice or obligation.

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