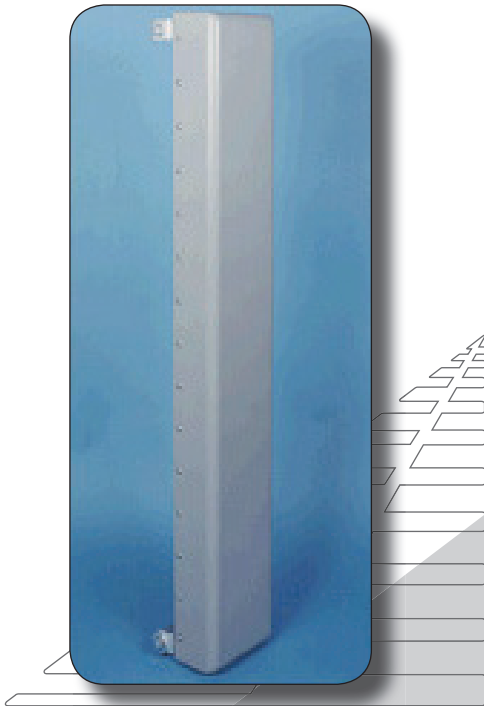


12 dBd 90 DEGREE BEAMWIDTH CELLULAR PANEL ANTENNA

- 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-T9

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 | 9° |
| 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 |



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

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