



This antenna is an excellent choice for LTE and WiMAX networks where high gain is required.

FEATURES / BENEFITS

- Variable electrical downtilt — provides enhanced precision in controlling intercell interference. The tilt is infield adjustable 0-10 deg.
- High vertical beamwidth — suitable for small cells application
- Optional remote tilt — can be retrofitted
- Dual polarization
- Low profile for low visual impact
- Quick and easy to adjust
- High front-to-back ratio



Technical features

ELECTRICAL SPECIFICATIONS

| | | |
|--------------------------------|-----------|-------------------------|
| Frequency Range | MHz | 2300-2700 |
| Gain | dBi (dBd) | 14.8 (12.7) |
| Horizontal Beamwidth | deg | 60 |
| Vertical Beamwidth | deg | 15.5 |
| Electrical Downtilt Range | deg | 0-10 |
| 1st Upper Sidelobe Suppression | dB | 18 Typical |
| Upper Sidelobe Suppression | dB | 18 Typical |
| Front-To-Back Ratio | dB | > 30 |
| Polarization | | Dual pol +/-45° |
| VSWR | | < 1.5:1 |
| Isolation between Ports | dB | >30 |
| 3rd Order IMP @ 2 x 43 dBm | dBc | > 150 |
| Impedance | Ohms | 50 |
| Maximum Power Input | W | 250 |
| Beamwidth Approximate | deg | 65 |
| Frequency/Operating Band | | LTE/WiMAX (2.3-2.7 GHz) |
| Antenna Type | | Dual Polarized |
| Electrical Down Tilt Option | | Variable |

MECHANICAL SPECIFICATIONS

| | | |
|-------------------------------|------------|------------------------------------|
| Lightning Protection | | Direct Ground |
| Connector Type/Location | | (2) 7-16 Long Neck Female/Bottom |
| Dimensions - HxWxD | mm (in) | 560 x 175 x 110 (22.0 x 6.9 x 4.3) |
| Weight w/o Mtg Hardware | kg (lb) | 3.3 (7.3) |
| Weight w/ Mtg Hardware | kg (lb) | 6.7 (14.8) |
| Survival/Rated Wind Speed | km/h (mph) | 200 (125) / 160 (100) |
| Wind Load @ Rated Wind, Front | N (lbf) | 130 (29.2) |
| Wind Load @ Rated Wind, Side | N (lbf) | 50 (11.2) |
| Wind Load @ Rated Wind, Rear | N (lbf) | 90 (20.2) |
| Mount Type | | Downtilt |
| Height (Approximate) | ft. | 2 |

TESTING AND ENVIRONMENTAL

| | | |
|-----------------------|---------|-------------------------|
| Operation temperature | °C (°F) | -40 to 60 (-40 to 140) |
|-----------------------|---------|-------------------------|



MATERIAL

| | | |
|----------------------------|--|--------------------------------|
| Radome Material/Color | | ASA Plastic/Light Grey RAL7035 |
| Mounting Hardware Material | | APM40-4 |
| Radiating Element Material | | Aluminum |
| Reflector Material | | Aluminum |

ORDERING INFORMATION

| | | |
|--------------------------|---------|-------------------------|
| Mounting Hardware | | APM40-4 |
| Mounting Pipe Diameter | mm (in) | 60 - 120 (2.36 - 4.72) |
| Mounting Hardware Weight | kg (lb) | 2.7 (5.95) |

External Document Links

- [APM40 Series Datasheet](#)
- [APM40 Series Installation Instructions](#)

Notes

For additional mounting information please click "External Document Link" below.