



APXL03S-CT3

Dual Polarized Antenna, 1710-2690, 65deg, 11dBi, 0.3m, FET, 3deg

This 2-port antenna is an excellent choice for 3G, PCS, GSM1800, LTE and Mobile TV networks where very small size is required in the 1710-2690MHz high band.

FEATURES / BENEFITS

- Fixed electrical downtilt, 3deg
- Ultra broadband design 1710-2690MHz
- Dual polarization
- Ultra compact design for low profile and low visual impact
- Quick and easy to install
- High front-to-back ratio



APXL03S-CT3_datasheet_image

Technical features

ELECTRICAL SPECIFICATIONS

| Electrical Specification Header | | ELECTRICAL SPECIFICATIONS | | |
|---------------------------------------|-------|---------------------------|--------------|--------------|
| Frequency Band | Mhz | 1710-2150 | 2150-2450 | 2450-2690 |
| Polarization | - | Slant +/- 45 | Slant +/- 45 | Slant +/- 45 |
| Impedance | Ohms | 50 | 50 | 50 |
| Passive Intermodulation | dBc | | | |
| Maximum Effective Power per Port | Watts | 250 | 250 | 250 |
| Gain | dBi | 10.6 | 11.3 | 11.5 |
| VSWR | - | <1.5:1 | <1.5:1 | <1.5:1 |
| Return Loss | dB | >14 | >14 | >14 |
| Isolation between ports | dB | >28 | >28 | >28 |
| Azimuth Beamwidth 3dB | Deg | 67.2+/-3.3 | 61.5+/-3.9 | 62.1+/-4.9 |
| Front-to-Back , at +/-30, Total Power | dB | >21.7 | >22.8 | >20.3 |
| Elevation Beamwidth 3 dB | Deg | 36.7+/-4.4 | 30.8+/-2.4 | 29.7+/-1 |
| Electrical Downtilt | Deg | 3 | 3 | 3 |
| Elevation Downtilt Deviation | Deg | <2.93 | <0.89 | <1.27 |
| First Upper Side Lobe Suppression | dB | >17.9 | >14 | >10 |

MECHANICAL SPECIFICATIONS

| | | |
|-------------------------|---------|---------------------------------------|
| Dimensions - H x W x D | mm (in) | 270 x 158 x 100 (10.63 x 6.22 x 3.94) |
| Weight (Antenna Only) | kg (lb) | 1.9 (4.19) |
| Packing size- HxWxD | mm (in) | 370 x 250 x 250 (14.57 x 9.85 x 9.85) |
| Shipping Weight | kg (lb) | 2.6 (5.74) |
| Connector type | | 2 x 7-16 Long Neck Female bottom |
| Adjustment mechanism | | FET solution |
| Radome Material / Color | | UPVC / Light Grey RAL7035 |



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TESTING AND ENVIRONMENTAL

| | | |
|------------------------------|---------|-------------------------|
| Temperature Range | °C (°F) | -40 to 60 (-40 to 140) |
| Lightning protection | | Direct Ground |
| Survival/Rated Wind Velocity | km/h | 200 (160) |
| Wind Load @Rated Wind Front | N | 36 |
| Wind Load @Rated Wind Side | N | 24 |
| Wind Load @Rated Wind Rear | N | 36 |

ORDERING INFORMATION

| Order No. | Configuration | Mounting Hardware | Mounting pipe Diameter | Weight |
|-------------|---------------|-------------------|------------------------|--------|
| APXL03S-CT3 | Fixed tilt | Included | - | 2.6 kg |

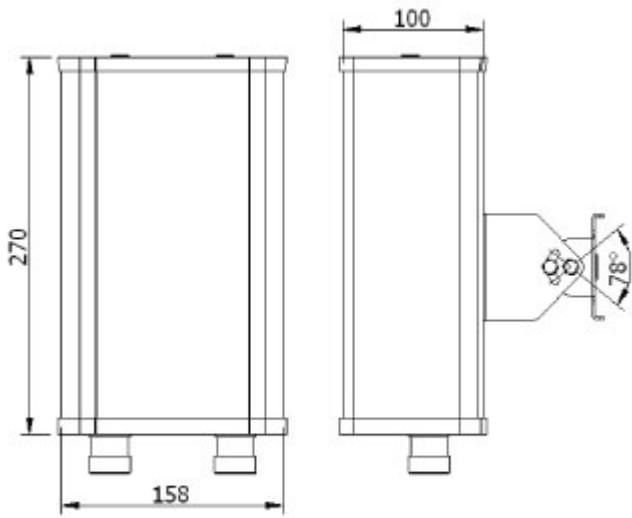


APXL03S-CT3_end_plate



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APXL03S-CT3_drawing



Antenna_Array_APXL03S-CT3

External Document Links

Notes

Available Configurations

- APXL03S-CT3 - Fixed Tilt - weight 2.6Kg

(Weight refers to shipment weight.)

All electrical parameters are following NGMN 9.6 BASTA requirements

- Radiating patterns: [Request pattern files](#)