

ClearLink® Multiband Omnidirectional Antenna

Model Numbers

- ClearLink-O/698-2.7K/N
(CS03-011-429)

Frequency Range

- 698-960 MHz
- 1710-2690 MHz

Features & Benefits

- Multiband Design
- Flexible Mounting Options
- Symmetric Construction
- Suitable for Wall Mounting



Multiband Omnidirectional Antenna

Target Applications

- CDMA, GSM, DCS, 3G/UMTS, LTE
- In-building Coverage

Electrical Specifications

| | |
|-------------------------|-----------------------|
| Horizontal Beamwidth | Omnidirectional |
| Gain | |
| 698-738 MHz | 2 dBi |
| 738-818 MHz | 1 to 2 dBi |
| 818-960 MHz | 1 to 2 dBi |
| 1700-2690 MHz | 2 to 4 dBi |
| Polarization | Vertical |
| Impedance | 50 Ohm |
| VSWR/Return Loss | |
| 698-738 MHz | 2.0/9.5 dB |
| 738-818 MHz | 1.8/10.9 dB |
| 818-960 MHz | 1.5/14.0 dB |
| 1700-2690 MHz | 1.4/15.5 dB |
| PIM, 3rd order, 2 x 20W | -153 dBc |
| Max Input Power | 50 Watts (2W typical) |

Mechanical Specifications

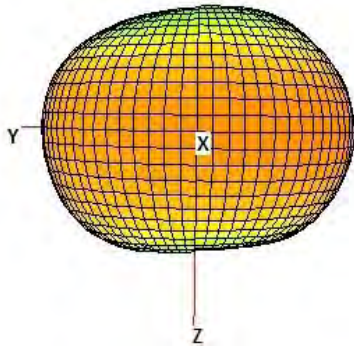
| | |
|--|----------------------------|
| Case Material | ABS with UV Protection |
| Operating Temperature | -40° to +70° C |
| Dimensions | 8 Dia. x 4.5 H in. |
| Weight | 1.6 lbs |
| Connectors | N-Female |
| Pigtail | Low PIM plenum rated cable |
| Standard Mounting Style | Ceiling |
| Universal bracket included for additional mounting options | |

Specifications subject to change without notice.

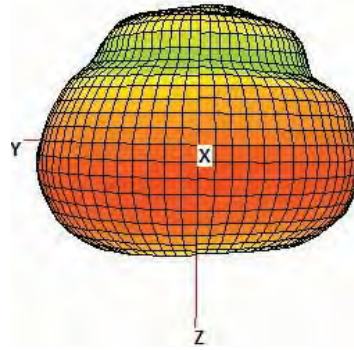
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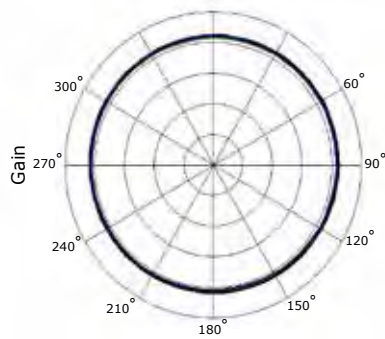
Sample Antenna Patterns*



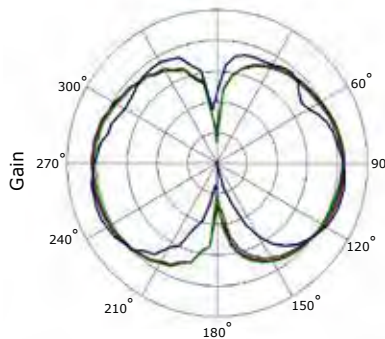
698 MHz



1904 MHz



Azimuth Pattern



Elevation Pattern

- 698 MHz
- 740 MHz
- 818 MHz
- 1904 MHz

* Additional patterns with enlarged images are available upon request.

