

The CFS69383P is a Low PIM indoor wideband omnidirectional low-profile ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 698-960 MHz, and 1690-3800 MHz for the GSM, DCS, UMTS, AWS-3 and LTE/WiMAX frequency bands. The CFS69383P is applicable for environments where aesthetics and wide-angle coverage are necessary for successful wireless deployment. The surprisingly small size and extreme low profile enables maximum mounting flexibility while maintaining desired in-building aesthetics.

FEATURES AND BENEFITS

- Low profile aesthetically neutral housing
- Mounts directly and easily to ceiling tile
- Supports AWS-3 frequency band
- Performance optimized using Laird proprietary RF optimization tools

| ELECTRICAL SPECIFICATIONS | | | | | | | | | | |
|------------------------------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Operating Frequency (MHz) | 698-806 | 824-894 | 880-960 | 1350-1550 | 1690-1880 | 1850-1990 | 1910-2170 | 2300-2500 | 2500-2700 | 3300-3800 |
| VSWR – Avg | <1.7:1 | <1.7:1 | <1.8:1 | <1.4:1 | <1.6:1 | <1.6:1 | <1.6:1 | <1.7:1 | <1.5:1 | <1.8:1 |
| VSWR – Max | <1.8:1 | <1.8:1 | <1.8:1 | <1.8:1 | <1.8:1 | <1.8:1 | <1.8:1 | <1.8:1 | <1.8:1 | <2.0:1 |
| Peak Gain – Typ (dBi) | 3.5 | 3.9 | 4.8 | 4.8 | 4.4 | 4.5 | 4.4 | 4.9 | 5.4 | 4.8 |
| Peak Gain – Max (dBi) | 4.0 | 4.0 | 5.5 | 5.3 | 4.7 | 4.9 | 4.9 | 5.2 | 5.6 | 5.3 |
| PIM - 2x20W – Typ (dBc) | < -156 | | | < -156 | | | | | | |
| PIM - 2x20W – Max (dBc) | < -150 | | | < -150 | | | | | | |
| Nominal Impedance (Ohms) | | | | | | 50 | | | | |
| Max Power - Ambient 25°C (W) | | | | | | 50 | | | | |
| Polarization | | | | | | Linear | | | | |
| Azimuth 3 dB Beamwidth | | | | | | 360° | | | | |

| MECHANICAL SPECIFICATIONS | |
|---|---------------------------------------|
| Dimensions – height x diameter – mm (in.) | 180.3 x 117.2 x 7.6 (7.1 x 4.6 x 0.3) |
| Weight with Mounting Kit – g (lbs.) | 194 (0.43) |
| Weight without Mounting Kit – g (lbs.) | 178 (0.39) |
| Antenna Color | White |
| Radome Material | PC + ABS, UL94-V0 |

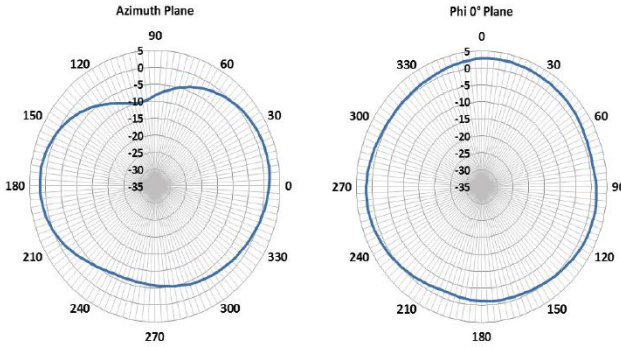
| ENVIRONMENTAL SPECIFICATIONS | |
|---|--------------------------|
| Operating Environment (Indoor or Outdoor) | Indoor |
| Operating Temperature – C° (F°) | -30 to +70 (-22 to +158) |
| Storage Temperature – C° (F°) | -40 to +85 (-40 to +185) |
| Material Substance Compliance | RoHS |

CONFIGURATION

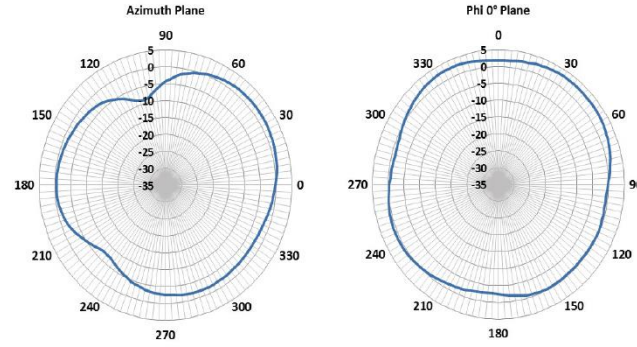
| PART NUMBER | CABLE LENGTH | CONNECTOR |
|------------------|----------------|-------------------|
| CFS69383P-30NF | 30 cm (12 in.) | Type N-female |
| CFS69383P-30D43F | 30 cm (12 in.) | 4.3-10 DIN female |

RADIATION PATTERNS

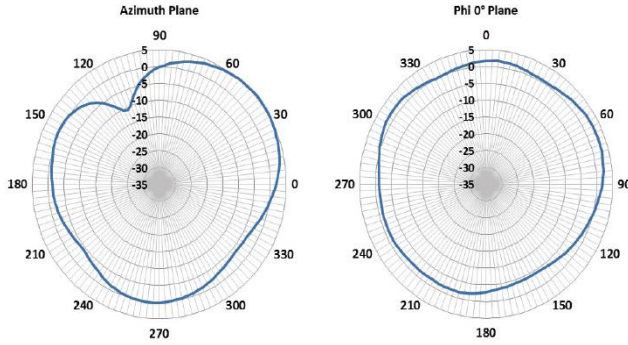
698 MHz



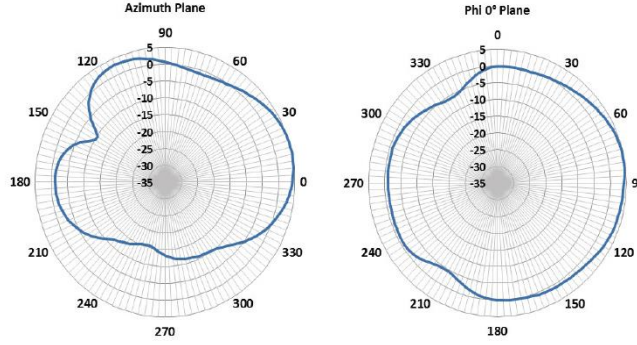
850 MHz



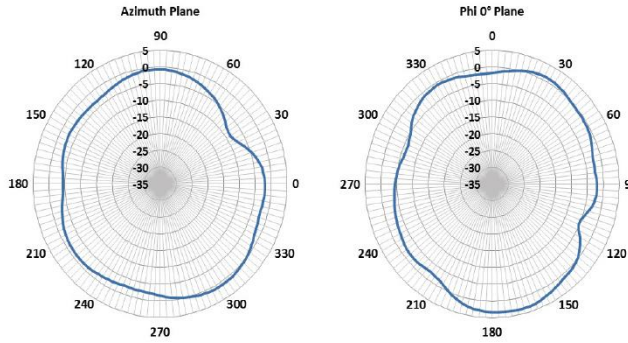
960 MHz



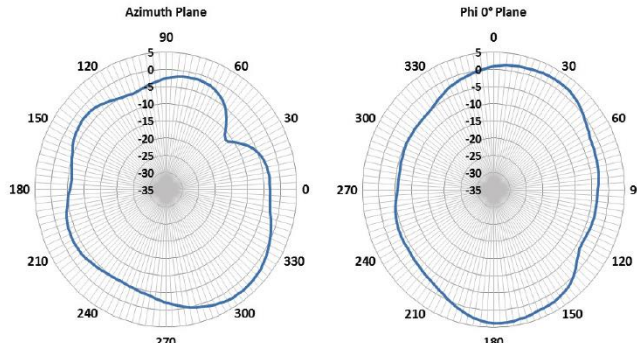
1350 MHz



1690 MHz

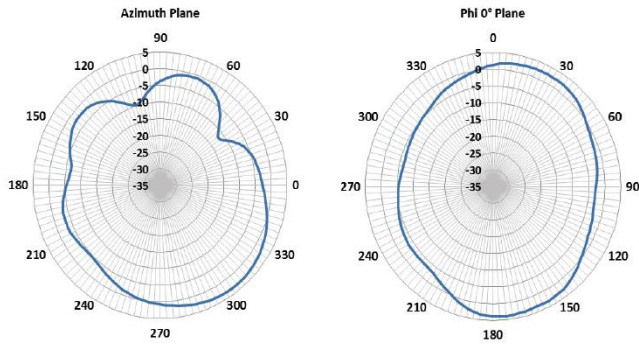


1850 MHz

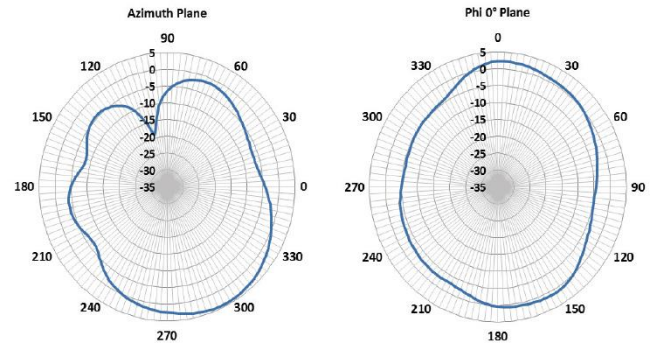


RADIATION PATTERNS

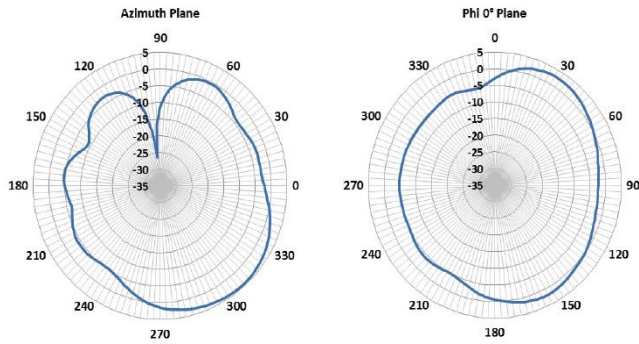
1990 MHz



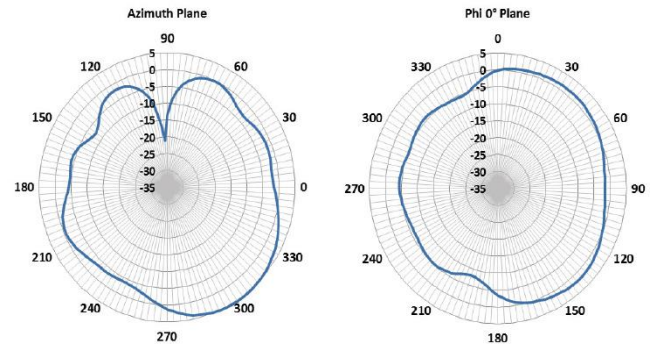
2170 MHz



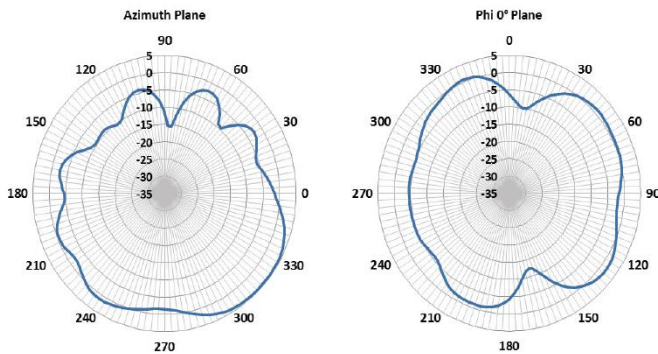
2500 MHz



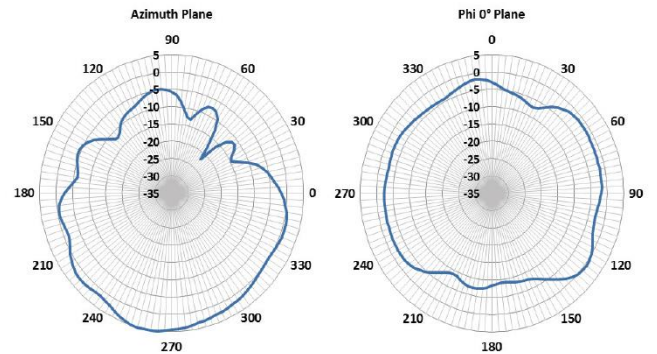
2700 MHz



3300 MHz



3800 MHz



✓RoHS

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