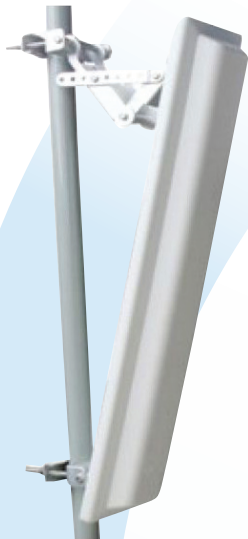


# SA3338-90-18-DP

## 3.5 GHz MIMO Sector Antenna



### 3.5 GHz DUAL LINEAR POLARIZATION HIGH-PERFORMANCE 90° SECTOR ANTENNA

The Laird Technologies SA338-90-18-DP 3.5 GHz wideband, dual linear polarized 90° sector antenna, covers the frequency band from 3.3 to 3.8 GHz. Extremely low side lobes, null fill below the horizon and uniform energy distribution within the coverage area are achieved thanks to our highly skilled engineering staff and the utilization of our proprietary Artificial Intelligence RF Optimizing development tool. Laird Technologies' suite of high-performance sector antennas feature proprietary design elements resulting in extremely high levels of system performance and ruggedness while maintaining very slim profiles with low wind and ice loading.

#### FEATURES

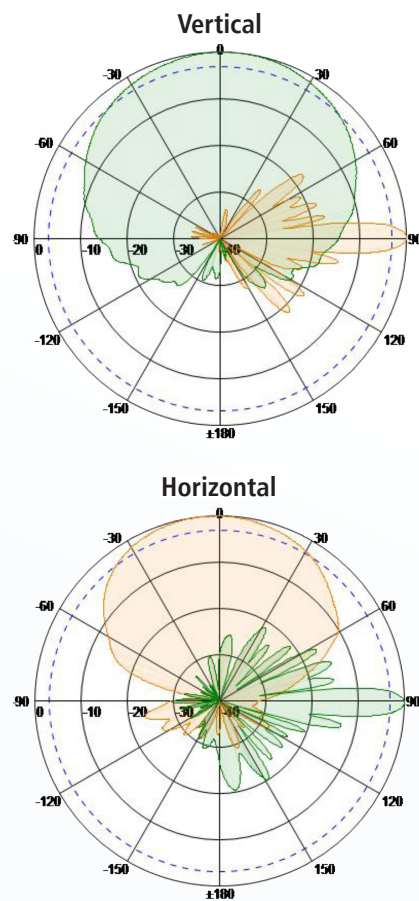
- Best in class f/b ratio
- Maximum null fill below the horizon
- Extraordinary low side lobe performance
- Rugged tilt mount hardware included
- Robust carrier class construction

#### MARKETS

- Wireless broadband service provider
- Large carrier class deployment
- Optimized for MIMO space time processing
- Outstanding levels of antenna-to-antenna co-located isolation
- WiMAX

PARAMETER	SPECIFICATIONS
Frequency Range	3300-3800 MHz
Bandwidth	500 MHz
Gain	2 x 18 dBi
Horizontal Beamwidth	90°
Vertical Beamwidth	6.5°
F/B Ratio	>21 dB
Isolation	>25 dBm
VSWR	<1.5Typel; Max 1.8
Nominal Impedance	50Ω
Polarization	V and H
Max. Power	100 W
Dimension	700 mm x 140 mm x 50 mm
Weight	5 Kg
Rated Wind Velocity	60 m/s
Connector Type	2 x N-female
Dia. Of Pole	30-70 mm

#### ANTENNA PATTERNS



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