

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

The Laird Technologies SA3338-90-18-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

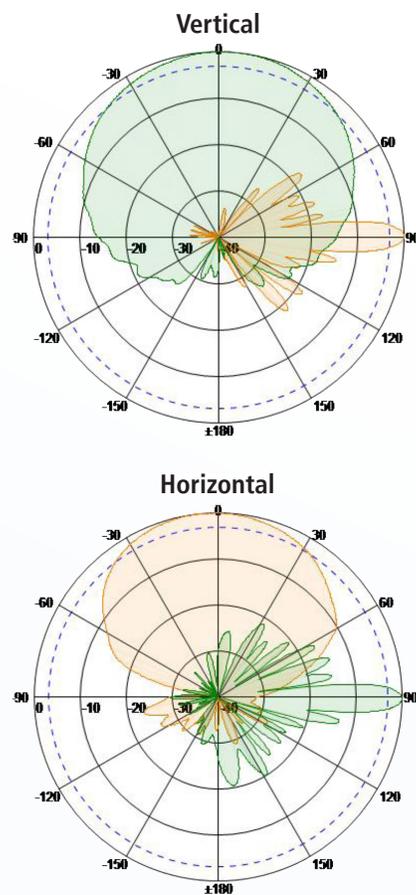
- Best in class f/b ratio
- Maximum null fill below the horizon
- Extraordinary low side lobe performance
- Rugged tilt mount hardware included
- Robust carrier class construction

#### 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



#### global solutions: local support™

Americas: +1.847.839.6907  
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12  
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022  
IAS-AsiaSales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)

ANT-DS-SA3338-90-18-DP 0712

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2012 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.