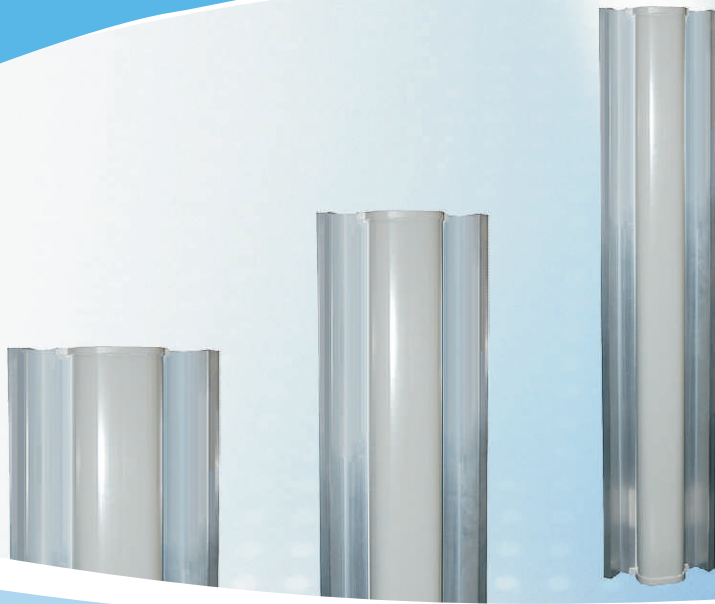




global solutions :
local support™

Wimax/Broadband Wireless 2.5 GHz high performance 90° beam-width Dual 45° slant sector antenna

Laird Technologies J23016S00-90N 2.5 GHz wide band, dual slant sector antenna covers the frequency band from 2.3 -2.7 GHz. Extremely low side lobes, null fill below the horizon and uniform energy distribution within the coverage area are realized thanks to our highly skilled engineering staff and the utilization of our proprietary Artificial Intelligence RF Optimization development tool. The antenna exceeds all aspects of ETSI EN 301.326-3 SS. Laird Technologies suite of high performance sector antennas feature proprietary design elements (patent pending) resulting in extremely high levels of system performance and ruggedness while maintaining very slim profiles with low wind and ice loading.

Features and Benefits:

- Rugged tilt mount hardware included
- Low side lobe performance
- Null fill below the horizon
- Excellent f/b ratio
- High level Antenna to Antenna co-located isolation
- Optimized for Maximum Ratio Combining

Applications

- High multi-path environment
- Large carrier class deployment
- WiMax service provider
- Ideal base station antenna for high density wireless network coverage in mobile and fixed applications

For sales Information:

Telephone 800-258-3860

E-Mail Comsales@cushcraft.com

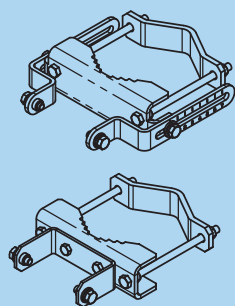
or visit: www.cushcraft.com

Parameter	Specification
Antenna Part Number	J23016S00-90N
Frequency Range	2.3 - 2.7 GHz
Minimum Gain:	16 dBi
Maximum VSWR	1.8:1
3 dB Beamwidth – Elevation	7 °
3 dB Beamwidth – Azimuth	90 °
Elevation null fill	Down to 25 °
Azimuth & Elevation Sidelobes	ETSI EN 301.326-3 SS
Polarization	+45 ° and -45°
Port-to-Port Isolation	>25 dB
Front-to-Back Ratio	>30 dB
Maximum Input Power	40 W Average, 480W Peak
Input Imped	50 Ohm
Typical Cross-Polarization	<-20dB
Mechanical Size	40" x 8.2" x 4.5"
Antenna Weight	3.9 Kg [8.5lbs] (6.3Kg[13.0 lbs] w/ bracket)
Wind Survival Rating	Operational 100mph / Survival 136mph
Antenna Connection	Type N female
Radome	ASA Light Grey
Mount Style	Mast mount
Mounting Hardware	Tilt Mount kit 1.5" to 4.5" dia
Temperature	-40 °C to +70 °C
Lightning Protection	DC Grounded

All specifications subject to change without notice



ISO 9001-2000



Mounting Kit: JBXRK-01-TM5

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