



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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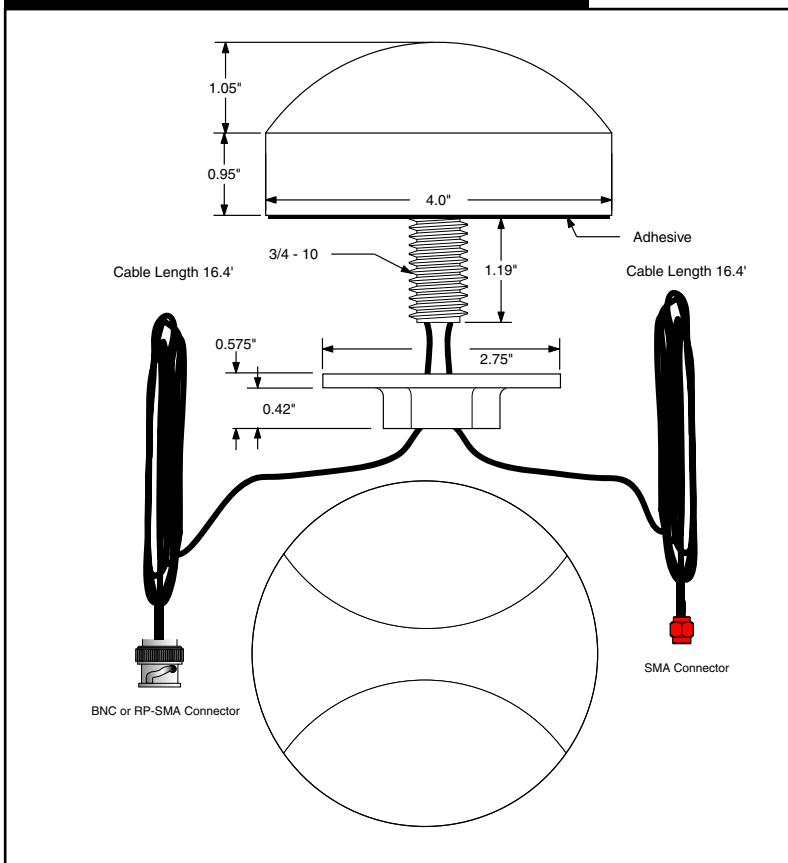




A breakthrough in dual-band antenna technology, the CELNSAT antenna combines a wide-band ISM or Cell-band antenna with a high-efficiency, amplified GPS antenna. Housed in a weather-tight, tamper-resistant dome, the CELNSAT is ideal for mounting on devices such as vehicles, vending machines, or equipment housings.

- Unique dual-band configuration.
- High-efficiency amplified GPS antenna.
- High-performance broadband Cell or ISM element.
- Low-profile weatherproof housing.
- Both elements matched to 50Ω.
- Center-fed through rugged mounting stud.
- Ideal for mobile or stationary applications.
- Color and terminations customizable for volume OEMs.

PHYSICAL DIMENSIONS



ELECTRICAL SPECIFICATIONS

SPECIFICATION	GPS	859MHZ	915MHZ
Frequency	1575.42MHz	824-894	902-928
Gain	5dBi	2dBi	2dBi
V.S.W.R.	<2.0	<1.7	<1.7
Impedance	50Ω	50Ω	50Ω
Polarization	RHCP	Vertical	Vertical
Pattern	Hemispherical	Omnidirectional	Omnidirectional
GPS LNA:			
Gain:	32± 2dB		
Noise Figure:	2.0dB (max)		
Voltage:	5VDC (±10%)		
Current:	20mA (max)		

MECHANICAL SPECIFICATIONS

SPECIFICATION	GPS	859MHz (CELL)	916MHz (ISM)
Connector	SMA (Male)	BNC	RP-SMA (Female)
Cable	1.5D-2V 16.4 ft. ± 2 in.		
Case	ABS		
Color	White		
Mounting	Threaded stud (20mm hole)		
Weight (Max)	2.6 lb. (with cable assy.)		

ORDERING INFORMATION

PART #	DESCRIPTION
ANT-916-DBD-DA/W	Dual Band Antenna (ISM)
ANT-859-DBD-DA/W	Dual Band Antenna (CELL)