# imall

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!



# Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## **PIM**inator<sup>™</sup> Series Low PIM In-building Omni Antenna with DIN Connector



Pulse Part Number DASLTEDIN



Industry leading -155 dBc certified low Passive Inter-Modulation (PIM) Distributed Antenna System (DAS) In-Building ceiling mount omni antennas. The Pulse Electronics line of DAS in-building low PIM omni antennas meets the most demanding PIM requirements for 2G, 3G, and LTE/4G bands.

These low PIM antennas help meet increasing demand for high data rates and streaming video for mobile devices. The wide band design meets the needs of operators around the world.

#### Features

- Industry leading -155 dBc PIM rating
- Covers cellular bands, WiFi and WiMAX from 698 through 5900 MHz
- Aesthetically pleasing injection molded radome
- PIM certified
- RoHS compliant product
- Patent pending

#### Applications

- In-Building DAS systems requiring best PIM performance

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San Diego, CA 858 674 8100	Vancouver, WA 360 944 7551	Europe 49 7032 7806 0	Asia 86 755 33966678	North Asia 886 3 4356768	China 86 512 6807 9998
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# **PIM**inator<sup>™</sup> Series Low PIM In-building Omni Antenna with DIN Connector

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### **Electrical Specifications**

	Frequency [MHz]	698-960/1710-2170/ 2300-2700/4900-5900		
Nominal Impedance [ $\Omega$ ]		50		
× R	698-960 MHz	1.8:1		
VSWR	1710-5900 MHz	1.5:1		
	698-960 MHz [dBi typ]	2		
Gain	1710-2700 MHz [dBi typ]	6		
	4900-5900 MHz [dBi typ]	8		
uo u	HPBW Horizontal Plane at 45° [°]	360		
Radiation Pattern	HPBW Vertical Plane (698-960) [° typ]	85		
Ra	HPBW Vertical Plane (1710-5900) [° typ]	50		
Polarization		Vertical		
Power Rating [W]		50		
PIM at 2x20 Watts [dBc]		-155		
Connector		7 16 DIN-Female		

### **Environmental Specifications**

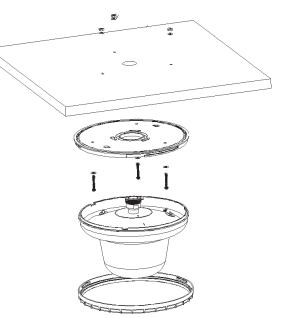
Operating Temperature [°C]

### e [°C] -40 to +70

### **Mechanical Specifications**

Radome Material	UV Protected, UL94 V-0		
Color	White		
Weight [oz/g]	17.28 / 490		
Overall Height [Inches/mm]	4.81 /122.1		
Diameter [Inches/mm]	8.27 / 210.2		
Mounting	Ceiling mounting plate (included) [1.45"/36.8mm Ø hole]		

Sample Installation



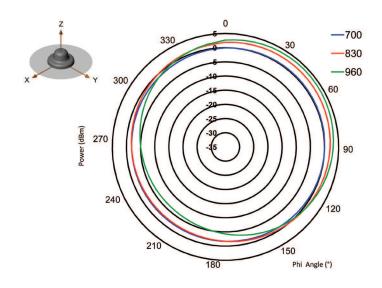


# **PIM**inator<sup>™</sup> Series Low PIM In-building Omni Antenna with DIN Connector

Pulse Part Number DASLTEDIN

**Radiation Patterns** 

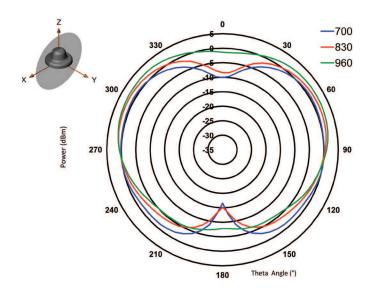
Horizontal Plane - 698-960 MHz



-1710 -1940 330 -2170 300 60 -24 -25 Power (dBm 270 90 120 240 150 210 180 Phi Angle (°)

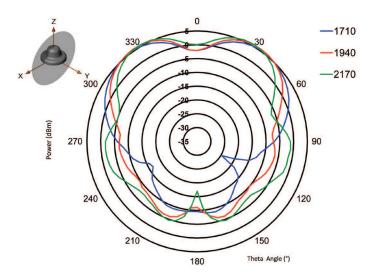
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### Vertical Plane - 698-960 MHz



Vertical Plane - 1710-2170 MHz

Horizontal Plane - 1710-2170 MHz



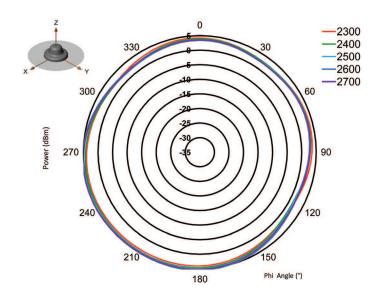


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Pulse Part Number DASLTEDIN

### **Radiation Patterns**

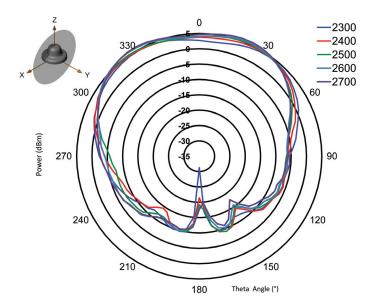
Horizontal Plane - 2300-2700 MHz



### 4900 330 30 5400 -5900 300 60 -20 ower (dBm) 270 90 120 240 150 210 Phi Angle (°) 180

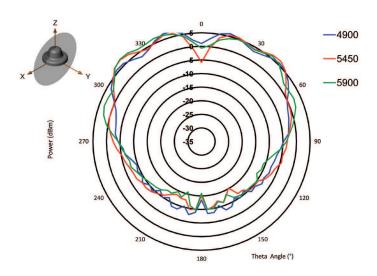
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### Vertical Plane - 2300-2700 MHz



Vertical Plane - 4900-5900 MHz

Horizontal Plane - 4900-5900 MHz



#### For More Information

Pulse Worldwide Headquarters	Larsen Brand Antennas	Europe Headquarters	Asia Headquarters	Pulse North Asia	Pulse (Suzhou) Wireless Products Co, Inc.	
12220 World Trade Drive	3611 NE 112th Avenue	Pulse GmbH & Do, KG	B402, Shenzhen Academy of	3F, No. 198, Zhongyuan Road	99 Huo Ju Road, (#29 Bldg, 4th Phase)	
San Diego, CA 92128	Vancouver, WA 98682	Zeppelinstrasse 15	Aerospace Technology Bldg.	Zhongli City, Taoyuan County 320	Suzhou New District	
U.S.A.	USA	Herrenberg	10th Kejinan Road, High-Tech Zone	Taiwan R. O. C.	Science & Tech Industrial Park	
		Germany	Nanshan District, Shenzen, PR China 518057		Jiangsu Province, Suzhou 215009 PR China	
Tel: 858 674 8100	Tel: 360 944 7551	Tel: 49 7032 7806 0	Tel: 86 755 33966678	Tel: 886 3 4356768	Tel: 86 512 6807 9998	
Fax: 858 674 8262	Fax: 369 944 7556	Fax: 49 7032 7806 135	Fax: 86 755 33966700	Fax: 886 3 4356823	Fax: 86 512 6809 8023	
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