



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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# Omni Directional Blade Antenna

Penta Band 110mm x 22mm x 5 mm. Pulse Part Numbers: W1920G0915 / W1920G3658



## Features

- Compact size W x L x H (110 x 22 x 5 mm)
- Connector – SMA Male
- Cable type RG-174
- Other Cable lengths and Connector variations available on request
- Adhesive option
- Cable length 3 feet and 12 feet
- RoHS Compliant Product

## Applications

- Frequency range (850/900/1800/1900/2100)

## Electrical specifications @ +25 °C

*Measured in free space*

	DCS-PCS	SMR-AMPS-GSM
Frequency [MHz]	1710-2170	824-960
Nominal Impedance [ $\Omega$ ]	50	50
Peak Gain [dBi Avg]	1.5	1
Efficiency [% Avg]	60	50
Radiation Pattern	Omni-directional in the horizontal plane	
Polarization	Vertical	
Power Withstanding [W]	3	

## Mechanical and Environmental Characteristics

Plastic radome	Thermoplastic Elastomer (TPE)
Color	Black
Weight	29.0 g 3' Cable / 65.0 g 12' Cable
Overall length	110 x 22 x 5 mm 4.33 x .87 x .20 inches
Mounting system	Adhesive tape
Operating temperature	-30/+60°C

Antenna Part No.	W1920G0915	W1920G3658
Connector	SMA Male	
Cable Length	915 mm / 3 ft	3658 mm / 12 ft
Cable Type	RG174 Black	

### Pulse Finland Oy

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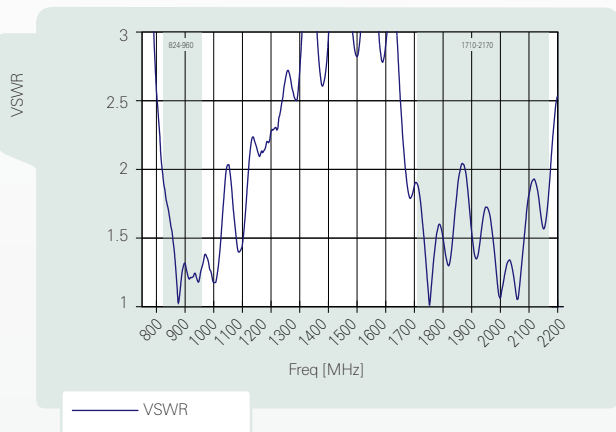


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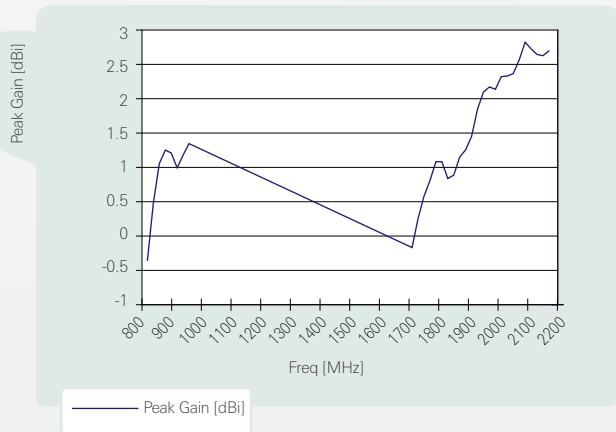
## VSWR

W1920 With 3' RG-174 & SMA 10/19/09, S11 Parameter



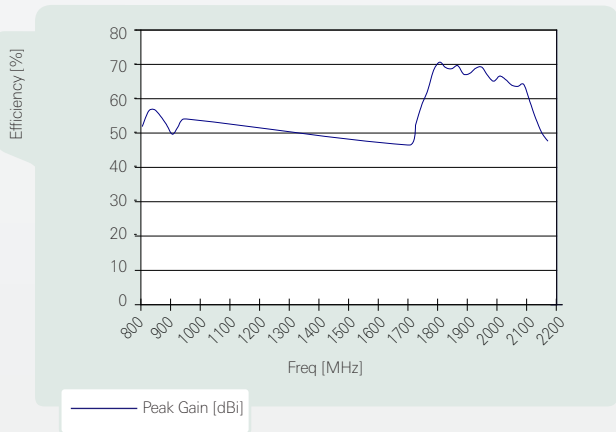
## Peak Gain vs Frequency

W1920 Penta band Stealth blade, Concept prototype  
Measured at Pulse, USA - Aug 12, 2009



## Efficiency vs Frequency

W1920 Penta band Stealth blade, Concept prototype  
Measured at Pulse, USA - Aug 12, 2009



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## Curves

Antenna measures with 4" (102 mm) cable

