



800/900 MHz. Omnidirectional Antennas for Data Communications
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Omnidirectional antennas are the right choice for situations where you need to be in contact with sources that are in two directions or if you do not know what direction the signals will be coming from. Receiving signals from two wellheads that are in different directions is an example of the former. An example of the latter would be a warehouse environment where a worker with a handheld terminal is moving about the area while sending and receiving data.

Data Transmission Omnis

Standard Data Transmission Omnis are fully decoupled antennas built on a copper laminate and housed in 0.100 inch wall fiberglass housings. They may be mounted right side-up or tipped upside down depending upon the desired pattern. They also feature a very versatile clamp mounting system that will fit most every situation you will encounter.

<p>Item</p>	 <p>S8964B 800/900 MHz. Omnidirectional Antennas for Data Communications</p>	 <p>S8963B 800/900 MHz. Omnidirectional Antennas for Data Communications</p>	 <p>S8960B 800/900 MHz. Omnidirectional Antennas for Data Communications</p>
<p>Manufacturer</p>	<p>Laird Technologies</p>		
<p>Frequency</p>	<p>896 to 960 MHz</p>		
<p>Gain</p>	<p>4 dBD</p>	<p>3 dBD</p>	<p>0 dBD</p>
<p>Nominal VSWR</p>	<p>1.5:1</p>		
<p>Bandwidth</p>	<p>64 MHz</p>		
<p>3dB Beamwidth, E Plane</p>	<p>25 °</p>	<p>45 °</p>	<p>75 °</p>
<p>RF Connector</p>	<p>N (Female)</p>		
<p>Height</p>	<p>42 1/8 in 107 cm</p>	<p>30 3/4 in 78 cm</p>	<p>17 1/2 in 44.5 cm</p>
	<p>1.56 lbs</p>	<p>1.19 lbs</p>	<p>0.56 lbs</p>

Weight	0.70 kg	0.53 kg	0.25 kg
Wind Surface Area	0.22 m ² 0.020 ft ²	0.176 m ² 0.016 ft ²	0.083 m ² 0.009 ft ²
Wind Survival	125 mph 200 kph		
Pigtail	23 cm	23 cm	17 cm
Element Material	Plated Copper Laminate		
Enclosure Material	Fiberglass		
Mounting Style	Tube end		
Max. Mast Diameter	2 in 5.1 cm		
Features	<ul style="list-style-type: none"> • Fiberglass enclosures • Plated copper laminated radiator • Weatherproof designs with UltraLink pigtail • Broadband performance • DC grounded • Omnidirectional 		

