

# Helix Antenna

## 2G / 3G / 4G Applications



LAMBDOID  
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-4G-PCB-03 (V1.0, UFL)	A photograph of a green PCB antenna with a gold-colored SMA connector and a thin copper wire extending downwards.
Frequency (MHz)	698-960MHz & 1710-2700MHz	
Gain	1/ 2 dBi	
Impedance ( $\Omega$ )	50	
VSWR	< 2.5	
Polarization	Linear	
Power Handling (W)	5	
HPBW	H: 360 <sup>o</sup> ; V: 30 <sup>o</sup> / 40 <sup>o</sup>	
Connector	MHF4/ UFL	
Cable	RG178	
Mechanical Specification		Salient Features
Dimension (mm)	128 x 18 x 5 (with adhesive and cable)	<ul style="list-style-type: none"><li>- Compact size</li><li>- High quality, low cost</li><li>- Masking for corrosion-free.</li></ul>
Mounting	3M Adhesive Tape	
Weight	5g	
Environmental Specification		Applications
Operational Temperature	-30 <sup>o</sup> to 60 <sup>o</sup> C	<ul style="list-style-type: none"><li>- 2G</li><li>- 3G</li><li>- 4G</li><li>- ISM</li></ul>
Humidity	5 – 75%	

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