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Omni Antennas



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LAMBDOID WIRELESS COMMUNICATIONS

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High Gain Helix Antennas

868 MHz Applications

Technical Specification		Photograph / Drawing
Model Number	LWC-868-OMNI-05 (Outdoor)	
Frequency (MHz)	865 – 868 MHz	
Gain	5 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	Vertical	
Power Handling (W)	50	
HPBW	H: 360 ⁰ ; V: 12 ⁰	
Connector	N Jack	
Mechanical Specification		
Reflector Diameter (mm)	36 mm dia x 750 mm	<ul style="list-style-type: none">- High quality, low cost- High quality Radome- High quality mounting kit
Material	Fiber Glass	
Weight including Mounting Brackets	1.5 Kg approx	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none">- Sub GHz- Gateways
Humidity	5 – 95%	

High Gain Helix Antennas

2400 MHz Applications



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Technical Specification		Photograph / Drawing
Model Number	LWC-2400-OMNI-05 (Outdoor)	
Frequency (MHz)	2400 – 2500 MHz	
Gain	~ 5 dBi	
Impedance (Ω)	50	
VSWR	< 1.5	
Polarization	Vertical	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; E: 16 ⁰	
Connector	N Jack	
Mechanical Specification		Salient Features
Dimension (mm)	36 mm dia. X 500 mm	<ul style="list-style-type: none"> - High quality, low cost - High quality Radome - High quality mounting kit
Material	Fiber Glass	
Weight including Mounting Brackets	2 Kg approx	
Environmental Specification		Applications
Operational Temperature	-40 ⁰ to 70 ⁰ C	<ul style="list-style-type: none"> - Wifi - ISM - Bluetooth - Zigbee
Humidity	5 – 95%	
IP Rating	IP65	

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868 MHz Applications

Technical Specification		Photograph / Drawing
Model Number	LWC-868-OMNI-09 (Outdoor)	
Frequency (MHz)	865 – 868 MHz	
Gain	8 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	Vertical	
Power Handling (W)	50	
HPBW	H: 360 ⁰ ; V: 12 ⁰	
Connector	N Jack	
Connector	N Jack	
Mechanical Specification		Salient Features
Reflector Diameter (mm)	36 mm dia x 1400 mm	<ul style="list-style-type: none"> - High quality, low cost - High quality Radome - High quality mounting kit
Material	Fiber Glass	
Weight including Mounting Brackets	2.5 Kg approx	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - Sub GHz - Gateways
Humidity	5 – 95%	

High Gain Helix Antennas

2400 MHz Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-2400-OMNI-09 (Outdoor)	
Frequency (MHz)	2400 – 2500 MHz	
Gain	~8 dBi	
Impedance (Ω)	50	
VSWR	< 1.5	
Polarization	Vertical	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; E: 16 ⁰	
Connector	N Jack	
Mechanical Specification		
Dimension (mm)	36 mm dia. X 1200 mm	
Material	Fiber Glass	
Weight including Mounting Brackets	2.5 Kg approx	
Environmental Specification		Salient Features and Applications
Operational Temperature	-40 ⁰ to 70 ⁰ C	<ul style="list-style-type: none"> - High quality, low cost - High quality Radome - High quality mounting kit - Wifi Applications - ISM Applications - Gateways Applications
Humidity	5 – 95%	
IP Rating	IP65	
Lightning Protection	Direct Ground	

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