

Table of Contents

Screw Mount Antennas



Sl. No.	Model Number	Description	Page No.
1.	LWC-433-SCREW-03	433 MHz Screw Mount Antenna, 3 dBi	01
2.	LWC-868-SCREW-03 (Aluminium)	868 MHz Screw Mount Antenna,3 dBi	02
3.	LWC-GSM-SCREW-03 (Aluminium)	GSM Screw Mount Antenna,3 dBi	03
4.	LWC-GSM-SCREW-03 (Helix)	GSM Screw Mount Antenna,3 dBi	04
5.	LWC-GSM-SCREW-03 (Radome)	GSM Screw Mount Antenna,3 dBi	05
6.	LWC-GSM-SCREW-06	GSM Screw Mount Antenna,6 dBi	06
7.	LWC-4G-SCREW-06	4G Screw Mount Antenna,6 dBi	07
8.	LWC-2400-SCREW-03 (Aluminium)	Wifi Screw Mount Antenna,3 dBi	08
9.	LWC-2400-SCREW-03 (Helix)	Wifi Screw Mount Antenna,3 dBi	09
10.	LWC-2400-SCREW-06	Wifi Screw Mount Antenna,6 dBi	10

LAMBDOID WIRELESS COMMUNICATIONS

Address: 647/2, 11th Main, 5th Block, Jayanagar, Bengaluru 560 041. INDIA.

Tel: +91 80 2659 5337; **Email:** info@lambdoid.net; **Website:** www.lambdoid.net

Screw Mount Antennas

433 MHz Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-433-SCREW-03	
Frequency (MHz)	433 MHz \pm 10MHz	
Gain	> 3 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; V: 30 ⁰	
Cable	RG174	
Connector	As required	
Mechanical Specification		Salient Features
Dimension (mm)	200 x ϕ 28 mm	<ul style="list-style-type: none"> - Compact size - High quality, low cost - High quality anodized aluminium
Housing	Aluminium- Industrial Grade	
Weight	< 100g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - Sub GHz - Smart Meters
Humidity	5 – 75%	

LAMBDOID WIRELESS COMMUNICATIONS

Address: 647/2, 11th Main, 5th Block, Jayanagar, Bengaluru 560 041. INDIA.

Tel: +91 80 2659 5337; **Email:** info@lambdoid.net; **Website:** www.lambdoid.net

Magnet Mount Antennas

868MHz Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-868-SCREW-03 (Aluminium)	
Frequency (MHz)	865 – 868 MHz	
Gain	3 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; V: 30 ⁰	
Connector	As required	
Mechanical Specification		
Dimension (mm)	110 x ϕ 28 mm	<ul style="list-style-type: none"> - Compact size - High quality, low cost - High quality anodized aluminium
Housing	Aluminium- Commercial Grade	
Weight	< 75 g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - Sub GHz - Smart Meters - RFID
Humidity	5 – 75%	

Magnet Mount Antennas

GSM Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-GSM-SCREW-03 (Aluminium)	  <p>Bottom</p>
Frequency (MHz)	824 – 960 MHz & 1710 – 1980 MHz	
Gain	3 dBi	
Impedance (Ω)	50	
VSWR	< 2.2	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; V: 30 ⁰ / 40 ⁰	
Connector	As required	
Mechanical Specification		Salient Features
Dimension (mm)	112 x ϕ 28 mm	<ul style="list-style-type: none"> - Compact Size - Low Cost - Anodized Aluminium
Housing	Aluminium- Commercial Grade	
Weight	< 100g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - GSM - 2G
Humidity	5 – 95%	

Magnet Mount Antennas

GSM / 3G Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-GSM-SCREW-03 (Helix)	
Frequency (MHz)	824 – 960 MHz & 1710 – 2170 MHz	
Gain	2 / 3 dBi	
Impedance (Ω)	50	
VSWR	< 2	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; v: 30 ⁰ / 40 ⁰	
Cable	RG174	
Connector	As required	
Mechanical Specification		Salient Features
Dimension (mm)	195 x ϕ 28 mm	<ul style="list-style-type: none"> - Compact Size - Low Cost - Any cable length (suggested <5m) - Connector of your choice.
Housing	Carbon Steel Powder Coated	
Weight	75 g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - GSM/ 2G - 3G - RFID
Humidity	5 – 75%	

LAMBDOID WIRELESS COMMUNICATIONS

Address: 647/2, 11th Main, 5th Block, Jayanagar, Bengaluru 560 041. INDIA.

Tel: +91 80 2659 5337; **Email:** info@lambdoid.net; **Website:** www.lambdoid.net

Magnet Mount Antennas

GSM / 3G Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-GSM-SCREW-03 (Radome)	<p>Bottom</p>
Frequency (MHz)	824 – 960 MHz & 1710 – 2170 MHz	
Gain	1 / 2 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; v: 30 ⁰ / 40 ⁰	
Connector	As required	
Mechanical Specification		
Dimension (mm)	110 x ϕ 28 mm	<ul style="list-style-type: none"> - Compact Size - Low Cost - Any cable length (suggested <3m) - Connector of your choice.
Housing	ABS	
Weight	< 100g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - GSM - 3G - RFID
Humidity	5 – 95%	

Screw Mount Antennas

GSM / 3G Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-GSM-SCREW-06	
Frequency (MHz)	824 – 960 MHz & 1710 – 2170 MHz	
Gain	4 / 6 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; v: 30 ⁰ / 40 ⁰	
Cable	RG174	
Connector	As required	
Mechanical Specification		Salient Features
Dimension (mm)	285 x ϕ 28 mm	<ul style="list-style-type: none"> - Compact Size - Low Cost - Connector of your choice - Any cable length (suggested <5m) - High quality SS screws - Ground insulated using step washers
Housing	Carbon steel powder coated	
Weight	< 110 g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - GSM - 3G
Humidity	5 – 95%	

Screw Mount Antennas

2G / 3G / 4G Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-4G-SCREW-06	
Frequency (MHz)	698 – 960 MHz & 1710 – 2690 MHz	
Gain	6/ 7 dBi (with 1m cable)	
Impedance (Ω)	50	
VSWR	< 3.0	
Polarization	Linear	
Power Handling (W)	50	
HPBW	H: 360°; V: 30° / 40°	
Connector	SMA-PLUG or as required	
Mechanical Specification		
Dimension (mm)	310 x φ 28 mm	<ul style="list-style-type: none"> - Compact Size - Low Cost - Connector of your choice - Any cable length (suggested <5m).
Housing	Spring Steel Powder Coated	
Weight	< 100 g (depends on cable length)	
Environmental Specification		Applications
Operational Temperature	-30° to 60° C	<ul style="list-style-type: none"> - GSM - 3G - 4G - Wi-Fi/ BLE/ Zigbee
Humidity	5 – 75%	

LAMBDOID WIRELESS COMMUNICATIONS

Address: 647/2, 11th Main, 5th Block, Jayanagar, Bengaluru 560 041. INDIA.

Tel: +91 80 2659 5337; **Email:** info@lambdoid.net; **Website:** www.lambdoid.net

Magnet Mount Antennas

2.4GHz Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-2400-SCREW-03 (Aluminium)	
Frequency (MHz)	2400 – 2500MHz	
Gain	3 dBi	
Impedance (Ω)	50	
VSWR	< 1.5	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; V: 40 ⁰	
Connector	As required	
Mechanical Specification		Salient Features
Dimension (mm)	75 x φ 28 mm	<ul style="list-style-type: none"> - Compact Size - Low Cost - Anodized Aluminium
Housing	Aluminium- Commercial Grade	
Weight	< 50g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - Wi-Fi - Zigbee - BLE - ISM
Humidity	5 – 95%	

Magnet Mount Antennas

2.4 GHz Applications

Technical Specification		Photograph / Drawing
Model Number	LWC-2400-SCREW-03	 <p style="text-align: center;">Bottom</p>
Frequency (MHz)	2400 – 2483 MHz	
Gain	3 dBi	
Impedance (Ω)	50	
VSWR	< 1.5	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 ⁰ ; V: 30 ⁰	
Connector	As Required	
Mechanical Specification		Salient Features
Dimension (mm)	160 x ϕ 28 mm	<ul style="list-style-type: none"> - Compact Size - Low Cost - Connector of your choice - Custom cable length available
Housing	Spring Steel Powder Coated	
Weight	< 75g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - Wi-Fi - BLE - Zigbee - ISM
Humidity	5 – 75%	

Screw Mount Antennas

2.4 GHz Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-2400-SCREW-06	<p>Bottom</p>
Frequency (MHz)	2400 – 2483 MHz	
Gain	6 dBi	
Impedance (Ω)	50	
VSWR	< 1.5	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360° ; V: 30°	
Connector	As Required	
Mechanical Specification		
Dimension (mm)	310 x ϕ 28 mm	<ul style="list-style-type: none"> - Compact Size - Low Cost - Connector of your choice - Custom cable length available
Housing	Spring Steel Powder Coated	
Weight	< 100 g	
Environmental Specification		Applications
Operational Temperature	-30° to 60° C	<ul style="list-style-type: none"> - Wi-Fi - Bluetooth - Zigbee - ISM
Humidity	5 – 75%	