

# Table of Contents

## Magnet Mount Antennas



Sl. No.	Model Number	Description	Page No.
1.	LWC-433-MM-03	433MHz Magnet Mount Antenna, 3dBi	01
2.	LWC-868-MM-03 (Aluminium)	868MHz Magnet Mount Antenna, 3dBi	02
3.	LWC-GSM-MM-03 (Aluminium)	GSM Magnet Mount Antenna, 3dBi	03
4.	LWC-GSM-MM-03 (Helix)	GSM Magnet Mount Antenna, 3dBi	04
5.	LWC-GSM-MM-03 (Radome)	GSM Magnet Mount Antenna, 3dBi	05
6.	LWC-GSM-MM-06	GSM Magnet Mount Antenna, 6dBi	06
7.	LWC-4G-MM-06	4G Magnet Mount Antenna, 6dBi	07
8.	LWC-GPS-MM-28	GPS Magnet Mount Antenna with LNA, 28dBi	08
9.	LWC-2400-MM-03 (Aluminium)	2.4GHz Magnet Mount Antenna, 3dBi	09
10.	LWC-2400-MM-03 (Helix)	2.4GHz Magnet Mount Antenna, 3dBi	10
11.	LWC-2400-MM-06	2.4GHz Magnet Mount Antenna, 6dBi	11

---

**LAMBDOID WIRELESS COMMUNICATIONS**

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

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

# Magnet Mount Antennas

## 433MHz Applications



**LAMBDOID**  
WIRELESS

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

**LAMBDOID WIRELESS COMMUNICATIONS**

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

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

# Magnet Mount Antennas

## 868 MHz Applications



**LAMBDOID**  
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-868-MM-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°; V: 30°	
Connector	As required	
Mechanical Specification		
Dimension (mm)	110 x φ28 mm	<ul style="list-style-type: none"> <li>- Compact size</li> <li>- High quality, low cost</li> <li>- High quality anodized aluminium</li> </ul>
Housing	Aluminium- Commercial Grade	
Weight	< 75g	
Environmental Specification		Applications
Operational Temperature	-30° to 60° C	<ul style="list-style-type: none"> <li>- Sub GHz</li> <li>- Smart Meters</li> <li>- RFID</li> </ul>
Humidity	5 – 75%	

**LAMBDOID WIRELESS COMMUNICATIONS**

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

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

# Magnet Mount Antennas

## GSM Applications



**LAMBDOID**  
WIRELESS

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

# Magnet Mount Antennas

## GSM / 3G Applications



**LAMBDOID**  
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-GSM-MM-03 (Helix)	
Frequency (MHz)	824 – 960 MHz & 1710 – 2170 MHz	
Gain	2 / 3 dBi	
Impedance ( $\Omega$ )	50	
VSWR	< 2	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 <sup>0</sup> ; v: 30 <sup>0</sup> / 40 <sup>0</sup>	
Cable	RG174	
Connector	As required	
Mechanical Specification		Salient Features
Dimension (mm)	195 x $\phi$ 28 mm	<ul style="list-style-type: none"> <li>- Compact Size</li> <li>- Low Cost</li> <li>- Any cable length (suggested &lt;5m)</li> <li>- Connector of your choice.</li> </ul>
Housing	Carbon Steel Powder Coated	
Weight	<70g	
Environmental Specification		Applications
Operational Temperature	-30 <sup>0</sup> to 60 <sup>0</sup> C	<ul style="list-style-type: none"> <li>- GSM/ 2G</li> <li>- 3G</li> <li>- RFID</li> </ul>
Humidity	5 – 75%	

**LAMBDOID WIRELESS COMMUNICATIONS**

**Address:** 647/2, 11<sup>th</sup> Main, 5<sup>th</sup> 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

Technical Specification		Photograph / Drawing
Model Number	LWC-GSM-MM-03 (Radome)	
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°; V: 30° / 40°	
Connector	As required	
Mechanical Specification		
Dimension (mm)	110 x φ 28 mm	<ul style="list-style-type: none"> <li>- Compact Size</li> <li>- Low Cost</li> <li>- Any cable length (suggested &lt;3m)</li> <li>- Connector of your choice.</li> </ul>
Housing	ABS	
Weight	< 100g	
Environmental Specification		Applications
Operational Temperature	-30° to 60° C	<ul style="list-style-type: none"> <li>- GSM</li> <li>- 3G</li> <li>- RFID</li> </ul>
Humidity	5 – 95%	

# Magnet Mount Antennas

## GSM / 3G Applications



**LAMBDOID**  
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-GSM-MM-06	
Frequency (MHz)	824 – 960 MHz & 1710 – 2170 MHz	
Gain	4 / 6 dBi	
Impedance ( $\Omega$ )	50	
VSWR	< 2.0	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 <sup>0</sup> ; V: 30 <sup>0</sup> / 40 <sup>0</sup>	
Cable	RG174	
Connector	SMA Plug or as required	
Mechanical Specification		Salient Features
Dimension (mm)	285 x $\phi$ 28 mm	<ul style="list-style-type: none"> <li>- Compact Size</li> <li>- Low Cost</li> <li>- Connector of your choice</li> <li>- Any cable length (suggested &lt;5m)</li> </ul>
Housing	Carbon Steel Powder Coated	
Weight	100 g (depends on cable length)	
Environmental Specification		Applications
Operational Temperature	-30 <sup>0</sup> to 60 <sup>0</sup> C	<ul style="list-style-type: none"> <li>- GSM/ 2G</li> <li>- 3G</li> <li>- RFID</li> </ul>
Humidity	5 – 75%	

# Magnet Mount Antennas

## 2G / 3G / 4G Applications



LAMBDOID  
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-4G-MM-06	
Frequency (MHz)	698 – 960 MHz & 1710 – 2690 MHz	
Gain	6/ 7 dBi (with 1m cable)	
Impedance ( $\Omega$ )	50	
VSWR	< 3	
Polarization	Linear	
Power Handling (W)	50	
HPBW	H: 360 <sup>0</sup> ; V: 30 <sup>0</sup> / 40 <sup>0</sup>	
Connector	SMA-PLUG or as required	
Mechanical Specification		
Dimension (mm)	310 x $\phi$ 28 mm	<ul style="list-style-type: none"><li>- Compact Size</li><li>- Low Cost</li><li>- Connector of your choice</li><li>- Any cable length (suggested &lt;5m).</li></ul>
Housing	Spring Steel Powder Coated	
Weight	< 100g (depends on cable length)	
Environmental Specification		Applications
Operational Temperature	-30 <sup>0</sup> to 60 <sup>0</sup> C	<ul style="list-style-type: none"><li>- GSM</li><li>- 3G</li><li>- 4G</li><li>- ISM/ WiFi/ Zigbee/ BLE</li></ul>
Humidity	5 – 75%	

### LAMBDOID WIRELESS COMMUNICATIONS

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

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



# Magnet Mount Antenna

## GPS Applications




**LAMBDOID**  
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-GPS-MM-28	
Frequency (MHz)	1575 +/- 30 MHz	
Gain	> 28 dBi (with LNA)	
Impedance ( $\Omega$ )	50 $\Omega$	
VSWR	< 1.5	
Polarization	RHCP	
Power Handling (W)	50 watts	
HPBW	H: 65 <sup>0</sup> ; V: 65 <sup>0</sup>	
Cable	3m or 5m RG174	
Connector	SMA Plug	
Mechanical Specification		Salient Features
Dimension (mm)	35 x 45 x 15 mm	<ul style="list-style-type: none"> <li>- Compact Size</li> <li>- Low Cost</li> <li>- Connector of your choice</li> <li>- Right angle connectors available</li> </ul>
Housing	Black	
Weight	<100 g	
Environmental Specification		Applications
Operational Temperature	-30 <sup>0</sup> to 60 <sup>0</sup> C	<ul style="list-style-type: none"> <li>- GPS</li> <li>- GLONASS</li> </ul>
Humidity	5 – 75%	

# Magnet Mount Antennas

## 2.4 GHz Applications

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

# Magnet Mount Antennas

## 2.4 GHz Applications




**LAMBDOID**  
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-2400-MM-03	
Frequency (MHz)	2400 – 2483 MHz	
Gain	3 dBi	
Impedance (Ω)	50	
VSWR	< 1.5	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 <sup>0</sup> ; V: 30 <sup>0</sup>	
Connector	As Required	
Mechanical Specification		
Dimension (mm)	160 x φ28 mm	<ul style="list-style-type: none"> <li>- Compact Size</li> <li>- Low Cost</li> <li>- Connector of your choice</li> <li>- Custom cable length available</li> </ul>
Housing	Spring Steel Powder Coated	
Weight	< 75g	
Environmental Specification		Applications
Operational Temperature	-30 <sup>0</sup> to 60 <sup>0</sup> C	<ul style="list-style-type: none"> <li>- Wi-Fi</li> <li>- BLE</li> <li>- Zigbee</li> <li>- ISM</li> </ul>
Humidity	5 – 75%	

# Magnet Mount Antennas

## 2.4 GHz Applications

Technical Specification		Photograph / Drawing
Model Number	LWC-2400-MM-06	
Frequency (MHz)	2400 – 2483 MHz	
Gain	6 dBi	
Impedance ( $\Omega$ )	50	
VSWR	< 1.5	
Polarization	Linear	
Power Handling (W)	10	
HPBW	H: 360 <sup>0</sup> ; V: 30 <sup>0</sup>	
Connector	As Required	
Mechanical Specification		
Dimension (mm)	310 x $\phi$ 28 mm	<ul style="list-style-type: none"> <li>- Compact Size</li> <li>- Low Cost</li> <li>- Connector of your choice</li> <li>- Custom cable length available</li> </ul>
Housing	Spring Steel Powder Coated	
Weight	< 100g	
Environmental Specification		Applications
Operational Temperature	-30 <sup>0</sup> to 60 <sup>0</sup> C	<ul style="list-style-type: none"> <li>- Wi-Fi</li> <li>- Bluetooth</li> <li>- Zigbee</li> <li>- ISM</li> </ul>
Humidity	5 – 75%	