Ultra Low Profile MiMo WiFi Antenna LIGJMIXJ-24-58-5RPSP

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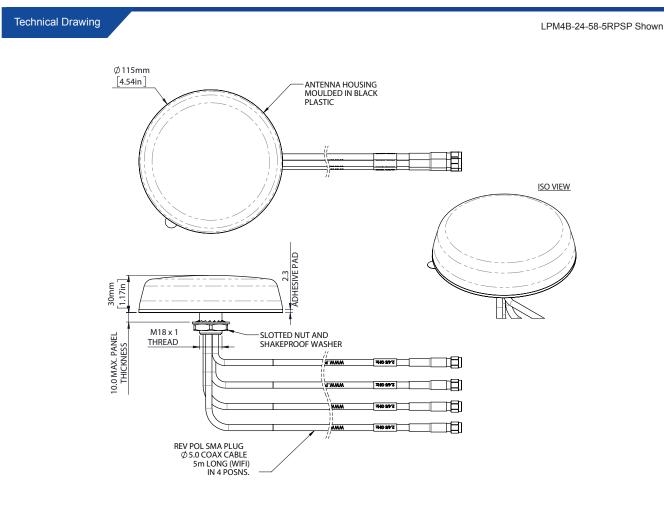


- Ultra Low Profile
- Up to 4 x 4 MiMo Dual Band WiFi
- Optional GPS/GNSS Active Antenna 26dB LNA
- Meets IP69K** and IK10

The L[G]M[X]-24-58 range has been designed to provide MiMo dual band WiFI coverage in an ultra low profile package. The compact, robust low-profile housing contains up to four antenna elements with effective isolation and low correlation covering 2.4-2.5/4.9-7.2GHz.

The antenna is designed to be panel mounted on vehicles or devices and can be fitted on a conductive or non- conductive panel. Supplied with integrated flame retardant CS32 cables (Compliant to UN ECE 118 and EN45545-2) and a halogen free flame retardant radome the antenna is suitable for many environments and applications.

The LGM variants have an integrated GPS/GNSS module with 26dB LNA gain. The antenna is available with a black or white radome.



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Product Data

		LPM2-24-58-5RPSP	LPM3-24-58-5RPSP	LPM4-24-58-5RPSP	LGM2-24-58-5RPSP	LGM3-24-58-5RPSP	LGM4-24-58-5RPSF
Electrical Data		LFM2-24-36-3KF3F	LFI03-24-36-3RF3F	LFIM4-24-36-3KF3F	LGIM2-24-36-3RF3F	LGINJ-24-30-3KF3F	LGIM4-24-36-5KF SF
Electrical Data	Elements 1 -4 2.4/5.0 GHz						
Frequency Range							
	Element 5	(JD)	4.10	0.10		1562-1612MHz	0.10
Peak Gain: Isotropic ŧ	Element 1 -4: 2.4-2.5GHz	4dBi	4dBi	6dBi	4dBi	4dBi	6dBi
	Elements 1-4: 4.9-7.2GHz	5dBi	6dBi	9dBi	5dBi	6dBi	9dBi
Typical VSWR*		<2:1					
Typical Isolation*		>12dB					
Pattern		Omni-directional					
Nominal Impedance		50Ω					
Max Input Power (W)					10		
GPS/GNSS Data - Ele	ement 5						
Frequency Range (MH	lz)	- 1562-1612MHz					
LNA Peak Gain			- 26dB				
Polarisation			- Right Hand Circular				
Operating Voltage		- 3-5VDC (Fed via Coax)					
Current		- Typical <20mA					
Mechanical Data							
Diameter		115 (4.52")					
Height		30 (1.18")					
Operating Temp		-30° / +70°C (-22° / 158°F)					
Material		LEXAN EXL 9330					
Colour		Black or White (Add 'W' to part number for White i.e. LPM2W-24-58-5RPSP)					
IP Rating		IP69K**					
Vandal Protection		IK10					
Mounting Data							
Fixing				Panel Mou	nt - 18mm (3/4")		
Cable Data							
Elements 1 - 4: WiFi	Cable Type	CS32 Flame Retardant to UN118 / EN6722 / EN45545-2					
	Diameter	5mm (0.2")					
	Length	5m (17')					
	Termination	4x Rev Pol SMA Plugs					

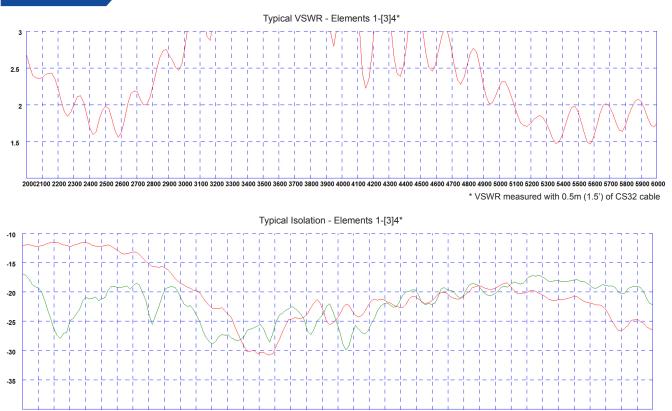
+ Peak gain simulated with all elements fed on 600x600mm ground plane excluding cable loss **When installed according to SW3-996

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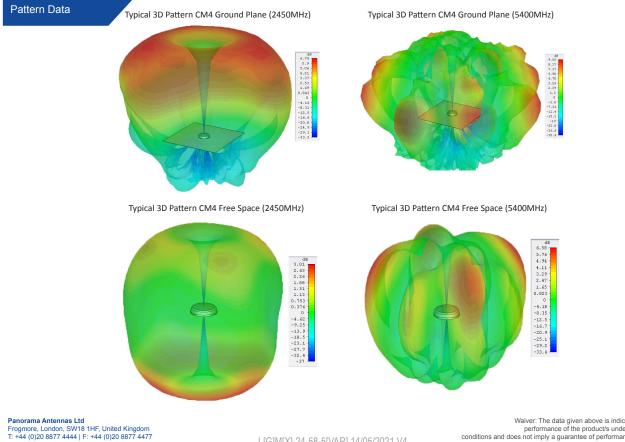
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Electrical Data - Cell



20002100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4500 4500 5400 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 5000 *Isolation measured with 0.5m (1.5') of CS32 cable Red Plot = Adjacent Elements Green Plot =Opposite Elements



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L[G]M[X]-24-58-5[VAR] 14/05/2021 V4

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