Muitifunction MiMe Antenna

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L[G]AM-7-27-[X]24-58

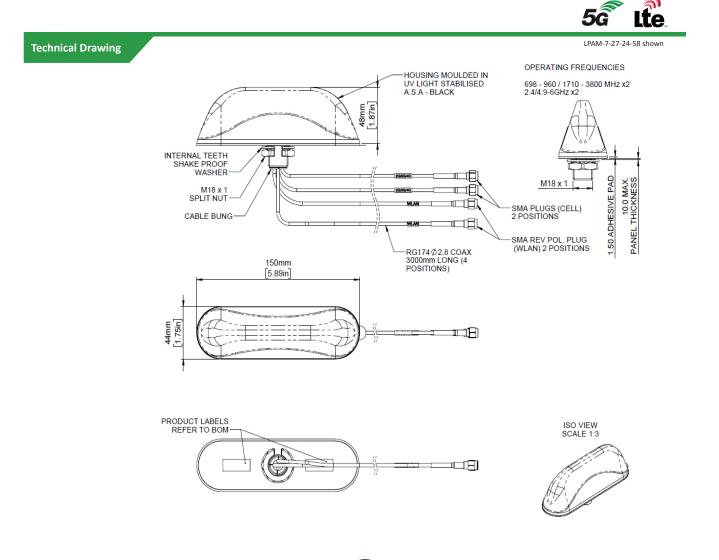


Low Profile Design MiMo 5G/4G/3G/2G + Single or 2x2 MiMo 2.4/ 5GHz Optional GPS/GNSS

The L[G]PAM has a compact housing that contains 2x2 MiMo antenna function for 5G/4G/3G/2G and either single or 2x2 MiMo antenna function for 2.4/5GHz.

The LGAM version also includes an active antenna for GPS/GLONASS/Galileo/ BeiDou with 26dB gain LNA.

This antenna range is ideal for vending machines, payment terminals and other M2M or IoT applications.



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Product Data

		LPAM-7-27-24-58	LPAM-7-27-S24-58	LGAM-7-27-24-58	LGAM-7-27-S24-58
Electrical Data					
	Element 1 (G Version)		1562	-1612	
Frequency Range (MHz)	Elements 2 & 3	698-960, 1710-2170, 2500-3800			
	Elements 4 & 5	2300-2500 & 4900-6000			
Operational Bands	Element 1 (G Version)	GPS/GNSS/Galileo/BeiDou			alileo/BeiDou
		5G/4G/3G/2G			
	Elements 2 & 3	2x cell			
		2.4 / 5.0GHz WiFi			
	Element 4 & 5	2 x WIFi 1 x WIFi 2x WiFi 1x WiFi			
Peak gain: Isotropic*	Elements 2 & 3	2dBi (698-960MHz) 5dBi (1710-3800MHz)			
	Elements 4 & 5	4dBi (2.4GHz), 6dBi (5.0GHz)			
Isolation	Cellular	>12dB			
(with 5m (16') of RG174 cable)	WiFi	> 20dB			
Typical Efficiency*	Elements 2 & 3	> 50%			
Correlation Co-efficient	Elements 2 & 3	<0.2			
Polarisation		Vertical			
Pattern		Omni-directional			
Impedance			50	Ω	
Max Input Power (W)		Internal elements 25W			
GPS/GNSS Data					
Frequency Range (MHz)		1562-1612			
VSWR		<2:1 ± 4MHz			
Gain: LNA		26dB			
Polarisation		Right Hand Circular			
Operating Voltage		3-5V DC (fed via coax)			
Current		Typical <20mA			
Mechanical Data					
	Total Height	50 (2.2")			
Dimensions (mm)	Length	150 (5.9")			
	Width	44 (1.47")			
Operating Temp (°C)		-40° / +80°C (-40° / 176°F)			
Material		ASA			
Colour			Bla	ack	
Mounting Info					
Fixing		Panel Mount			
Hole Size (mm)		19 (3/4")			
Cable Data					
Cable Type - All Feeds		RG174			
Dimensions (mm)	Diameter	2.8 (0.11")			
	Length	3000 (10')			
Temination	GPS/GNSS	-	-	SMA Plug	SMA Plug
	2 x Cell		2 x SN	IA plug	
	WiFi	2 x SMA Rev Pol Plug	1 x SMA Rev Pol Plug	2 x SMA Rev Pol Plug	1 x SMA Rev Pol Plu

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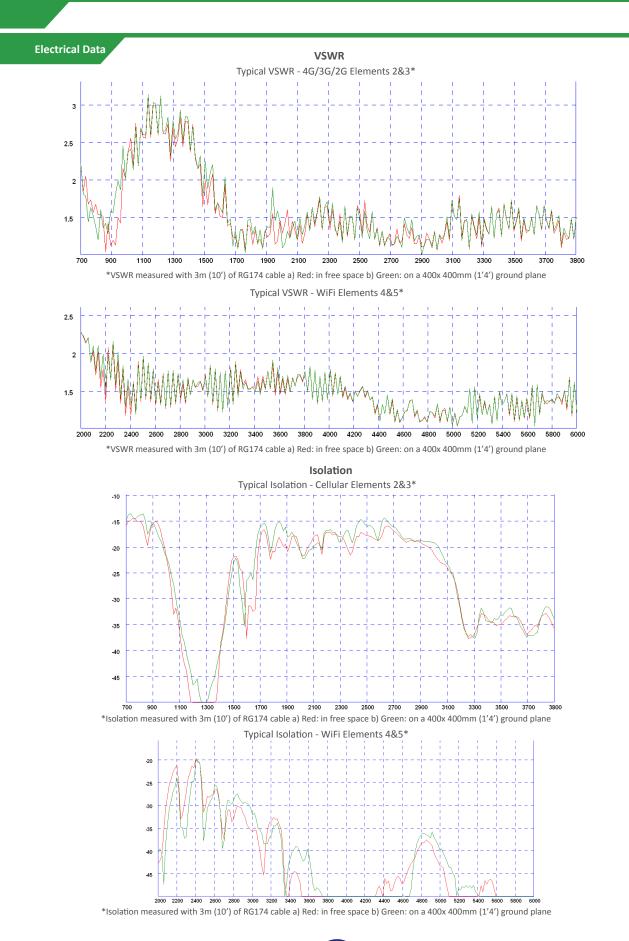
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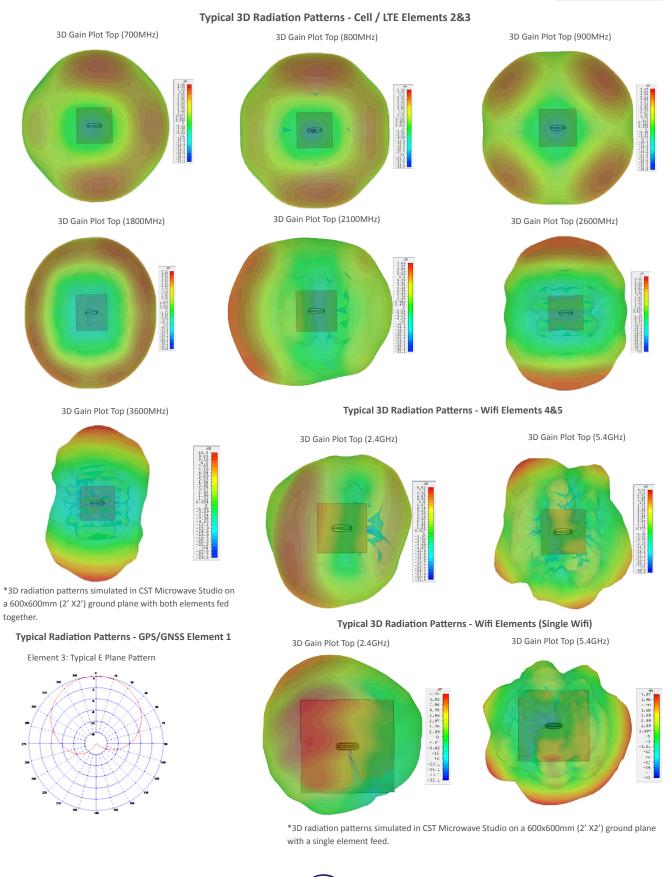
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Electrical Data



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