Adhesive Mount MiMo LTE MiMo WiFi GNSS Antenna

BATGM-7-60[-24-58]





Adhesive Mount MiMo 4G/5G Antenna with optional GPS/GNSS & / (MiMo) WiFi

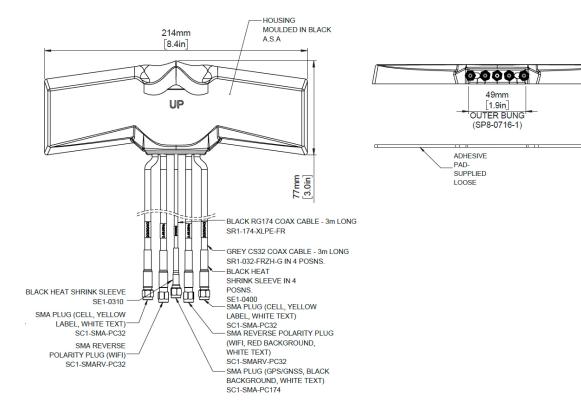
- Mount on or under dashboard or any non-metallic surface
- 2x MiMo 4G/5G functionality
- Optional SiSo or MiMo WiFi 6e 2.4/5.0-7.2GHz
- Optional GPS/GNSS 26dB LNA

The Panorama BAT range is designed for Telematics applications requiring high speed data with MiMo 4G / 5G and fallback 3G/2G support along with optional positioning through GPS/GNSS, and optional dual band 2.4/5.0-7.2GHz Wifi 6e.

The dual 4G/5G antennas cover 617-960/1427-6000MHz and the efficient element design ensures an ongoing, robust communications link with high data rates even in many low coverage areas.

The antenna is designed to be mounted on or under a vehicle dashboard but can be mounted on any non-conductive surface. The BAT range is supplied with up to five integrated low loss cables which are flame retardant and meet the requirements of UN ECE 118 and EN45545-2

Technical Drawing BATGM-7-60[-24-58] Shown



16.5mm [0.65in]

> 2.3mm [0.1in]

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					Product Data	
Part No.						
		BATGM-7-60-24-58	BATGM-7-60-S24-58	BATGM-7-60	BATM-7-60	
Electrical Data						
Frequency Range (MHz)	Elements 1&2	617-960/1427-6000				
	Element 3	1562-1612MHz -				
	Elements 4 (& 5)	2.4/5.0-7.2GHz -				
Peak Gain†	Elements 1&2	2dBi (617-960MHz) / 3dBi (1710-2170MHz) / 6dBi (2500-3800MHz) / 7dBi (4.9-60GHz)				
	Element 4 (& 5)	4dBi (2.4GHz) / 6dBi (5.0GHz) / 4dBi (6.0-7.2GHz)				
Typical VSWR*	Elements 1&2		<2:1			
	Element 4 (&5)	<2.	5:1	-		
Typical Efficiency**	Elements 1&2		>60%	Ď		
	Element 4 (&5)	>55% (2.4GHz)	>70% (5.0GHz)	-		
	Elements 1&2		<10di	3		
Typical Isolation*	Elements 4&5	<17dB		_		
Pattern		., 45	Omnidired	tional		
Impedance						
Max input power (W)		20				
GPS/GNSS Data	,					
Frequency Range ((MHz)		1559-1612MHz		-	
LNA Peak Gain		26dB -				
Tyical Out of Band Rejection		>40dB (+/- 100MHz f)				
Notch filter Rejection	on @787MHz		23dBm		-	
Typical Voltage		3-5VDC <20ma -				
Mechanical Data						
	Length		214 (8.	4")		
Dimensions (mm)	Width	77 (3")				
	Height	16.5 (0.65")				
Operating Temp (°C)		-30° / +70°C (-30° / 158°F)				
Material		ASA				
Colour			Black	(
Mounting Data						
Fixing	ng Adhesive pad					
Cable Data		Elements 1&2 (Cell) Element 3(GPS) Elements 4&5 (WiFi) [if pres		iFi) [if present]		
Cable Type		CS32 (meets UN ECE 118 and EN45545-2)	FR RG174 (meets UN ECE 118 and EN45545-2)	CS32 (meets UN ECE	118 and EN45545-2)	
Diameter (mm)		5 (0.2")	2.8 (0.1")	5 (0.2")		
Length (m)		3 (10')	3 (10')	3 (10')		
Termination						
BATGM-7-60-24-58		2x SMA Plug (m)	SMA Plug (m)	2x Rev Pol SMA Plug		
BATGM-7-60-S24-58		2x SMA Plug (m)	SMA Plug (m)	1x Rev Pol SMA Plug		
BATGM-7-60		2x SMA Plug (m)	SMA Plug (m)	-		

⁺ Peak gain derived from CST Microwave Studio for each element fed individually and excludes cable loss.

2x SMA Plug (m)

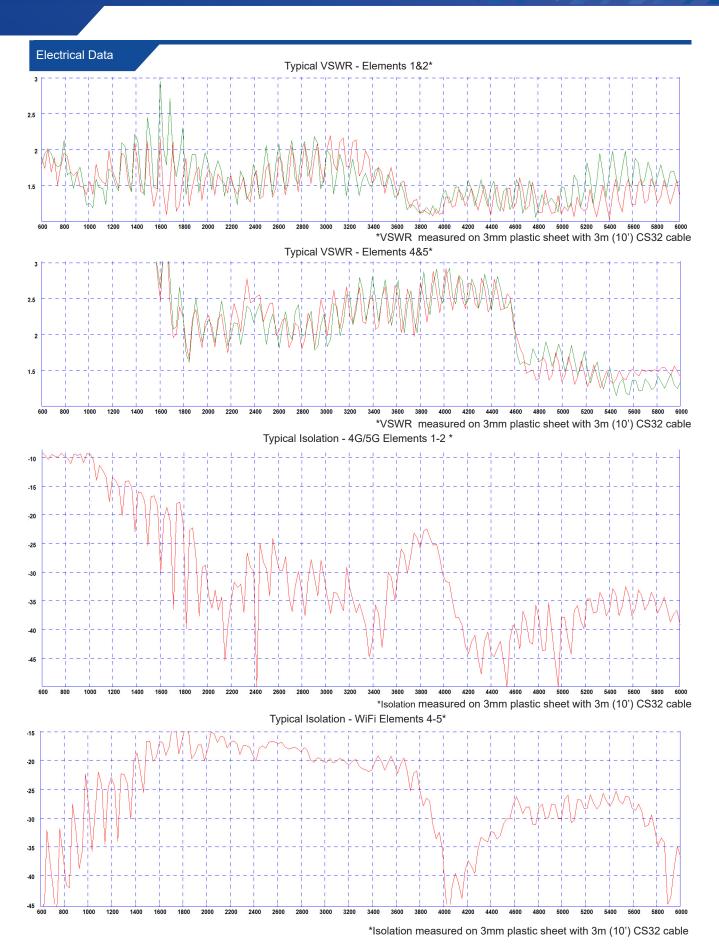
BATM-7-60

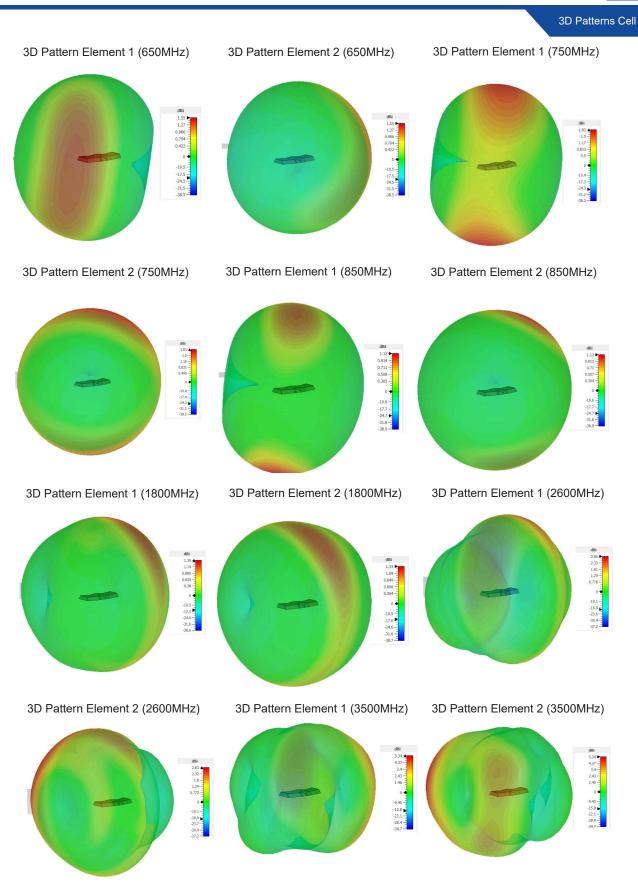
^{*}Typical Isolation and VSWR measured with 3m(10') of CS32 cable on 3mm plastic sheet.

^{**}Efficiency simulated in CST Microwave Studio and excludes cable loss

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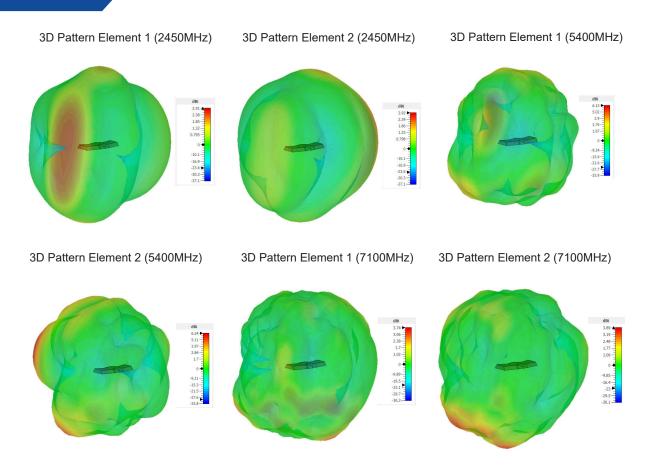
3D patterns derived from CST Microwave Studio in free space for each element fed individually and excludes cable loss.

Adhesive Mount MiMo LTE MiMo WiFi GNSS Antenna PANORAMA PANTENNAS



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3D Patterns WiFi



3D patterns derived from CST Microwave Studio in free space for each element fed individually and excludes cable loss.