

Low Profile Antenna 617-960/1710-6000MHz LPB-6-60

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LPB-6-60

- •Cost Effective 2G/3G/4G/5G coverage
- Integrated low loss cable
- Robust but subtle design

The LPB-6-60 antenna is a cost effective omni-directional panel mount antenna for 4G/3G/2G and 5G devices from 617-960/1710-6000MHz and is suitable for external or internal installation.

The LPB-6-60 is supplied with integrated 5mm double shielded CS29 coaxial cable and is available with a wide variety of connectors fitted.

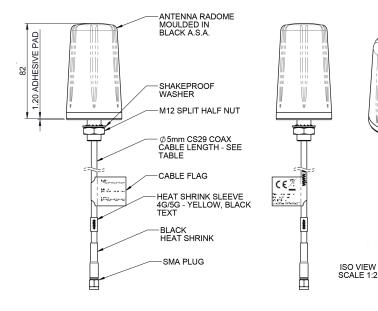
This antenna is an ideal solution for use in industrial and domestic environments with cellular modems/routers and Machine to Machine (M2M) wireless connectivity applications.

The LPB-6-60 requires a conductive ground plane of >300mm (1') diameter for optimal performance or it can be bracket mounted (p/n B4BE-6-60).

Technical Drawing

LPB-6-60-5SP Shown







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Product Data

Part No.				
		LPB-6-60-5SP	LPB-6-60-2SP	
Electrical Data				
Frequency Range (MHz)		617-960	617-960 / 1710-6000	
Operational Band		2G/3G/4G/5G		
	617-960MHz	3dBi		
Peak Realised Gain: Isotropic*	1710-2700 MHz	4dBi		
	3400-3800MHz	8dBi		
	4.9-6000Mhz	9dBi		
VSWR		<2	<2.5:1	
Nominal Radiated Efficiency*		>	> 70%	
Polarisation		Ve	Vertical	
Pattern		Omni-c	Omni-directional	
Impedance		5	50Ω	
Max Input Power (W)			30	
Mechanical Dat	a			
Dimensions (mm)	Height mounted	164 (6.46")		
	Diameter	48(1.89")		
Operating Temp (°C)		-40° / +85°C	-40° / +85°C (-40° / 185°F)	
Material		ASA, aluminium	ASA, aluminium, zinc plated steel	
Colour		Black	Black & natural	
Ingress Protection		II	IP66	
Mounting Data				
Fixing		Pane	Panel mount	
Mounting Hole Diameter (mm)		12	12 (1/2")	
Weight (g)		340	250	
Cable Data				
Туре		CS29 (double	CS29 (double shielded RG58)	
Diameter (mm)		5 (1	5 (0.19")	
Length (m)		5 (17')	2 (6')	
Termination		SM	IA plug	

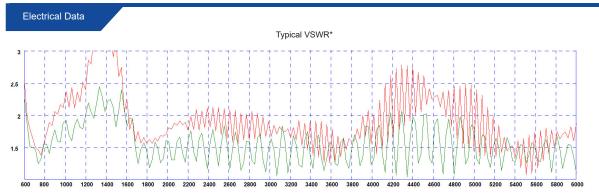
^{*} Peak gain and efficiency simulated in CST microwave studio with antenna mounted on a 600x600mm (2'x2') ground plane excluding cable loss.



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*Red Plot =VSWR measured on 600x600mm (2'x2') ground plane with 2m (6'6") of CS29 Cable. Green Plot = VSWR measured on 600x600mm (2'x2') ground plane with 5m (17') of CS29 Cable.



*Total efficiency simulated in CST Microwave studio on 600x600mm (2'x2') ground plane without cable loss

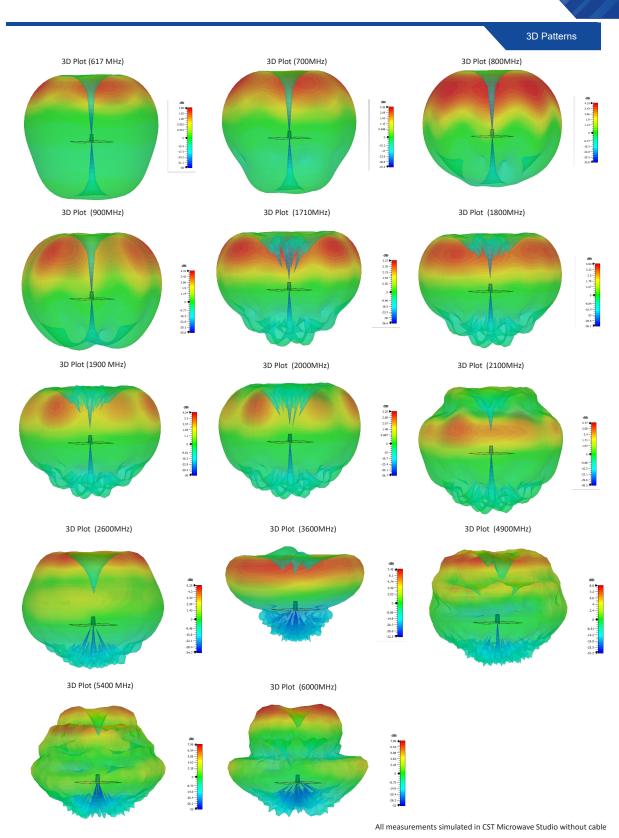


^{*}Swept peak gain simulated in CST Microwave studio on 600x600mm ground plane excluding cable loss.



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