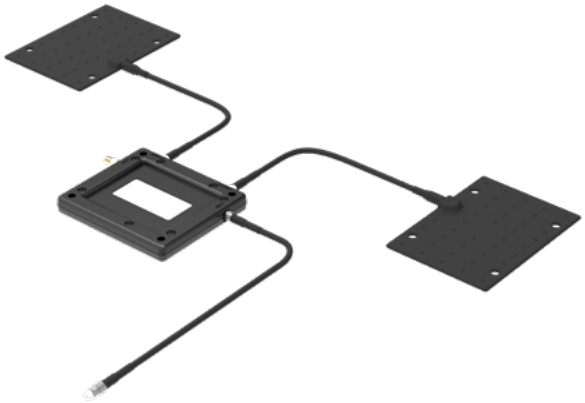
TETRA UHF

Dual Bumper Mount Antenna with Power Divider
BMP2-[X]-DPD-[X]



BMP2-[X]-DPD-[X]

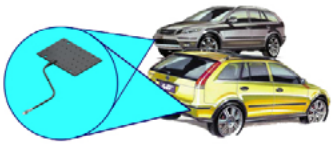
- Covert application
- Optimise bumper antenna performance
- Improved coverage around vehicle

Panorama BMP bumper antennas are a fully covert solution for vehicle installation.

For optimum performance two bumper antennas can be installed, one at the front of the vehicle and one at the rear, helping to create an omni-directional pattern around the vehicle and enabling better network coverage.

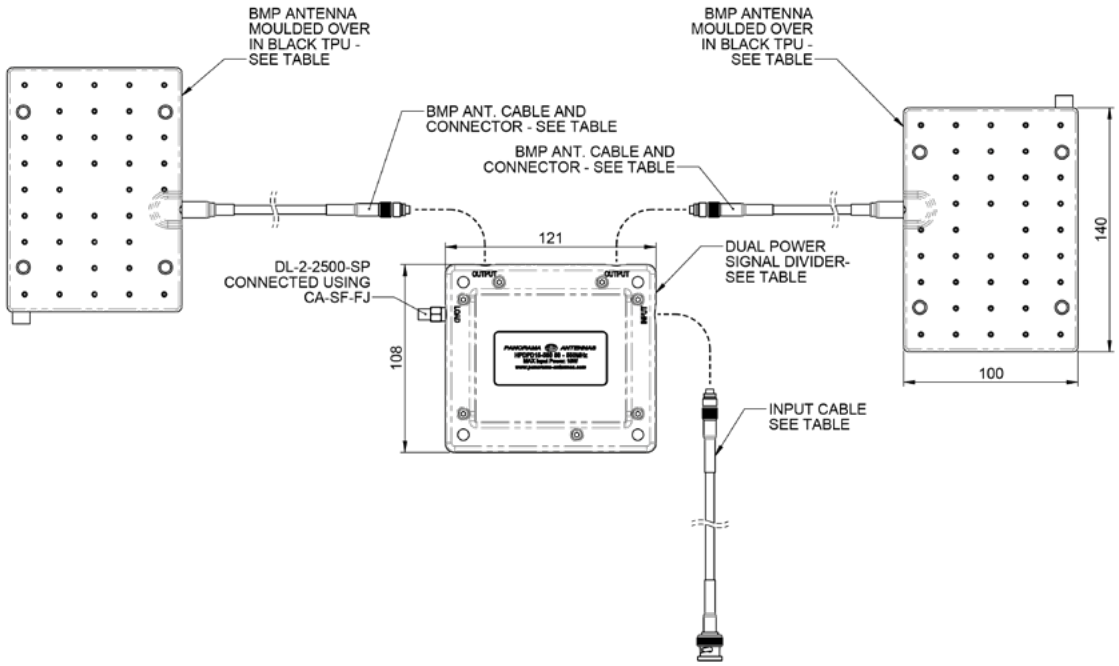
The BMP1 antennas included in the kit can be tuned to a variety of UHF frequencies and supplied with various cable lengths and connectors.

The high performance HPDPD power divider supplied as part of the kit has low loss characteristics and a low profile for easy installation.



Typical antenna positioning

Technical Drawing



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BMP2-[X]-DPD-[X]

PANORAMA ANTENNAS

Product Data

Part No.		BMP2-DPD-S1-5F	BMP2-7-DPD-S1-5F	BMP2-10-DPD-S1-5F
Electrical Data				
Frequency Range (MHz)			380-400	
Operational Band			S1	
Peak Gain: Isotropic (in free space)			0dBi	
Typical VSWR			<3:1	
Polarisation			Vertical	
Pattern			Omni-directional	
Impedance			50Ω	
Max Input Power (W)			15	
Mechanical Data (BMP1 Antenna)				
Dimensions (mm)	Length		140 (5.5”)	
	Width		100 (3.9”)	
	Depth		4 (including adhesive pad)	
Operating Temp (°C)			-40° / +80°C (-40°/+176° F)	
Material			TPE	
Colour			Black	
Mounting Data				
Fixing			Adhesive pad & 4 × fixing holes	
Cable Data				
Type			CS23 (RG58 c/u)	
Diameter (mm)			5 (0.19”)	
Length (m)	To radio port	5 (16’ 4”)	5 (16’ 4”)	5 (16’ 4”)
	Antenna cable	5 (16’ 4”)	7 (23’)	10 (32’ 8”)
Termination (at radio port)		FME (f)	FME (f)	FME (f)

*VSWR measured in free space on perspex sheet with 5m (16.4’) of CS23 cable
+Peak gain as measured in free space mounted to a perspex sheet with 0.5m (1.5’) of CS23 cable.

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BMP2-[X]-DPD-[X]

PANORAMA ANTENNAS

Product Data

Part No.				
		BMP2-DPD-S3-5F	BMP2-7-DPD-S3-5F	BMP2-10-DPD-S3-5F
Electrical Data				
Frequency Range (MHz)			380-420	
Operational Band			S3	
Peak Gain: Isotropic (in free space)+			0dBi	
Typical VSWR*			<3:1	
Polarisation			Vertical	
Pattern			Omni-directional	
Impedance			50Ω	
Max Input Power (W)			15	
Mechanical Data (BMP1 Antenna)				
Dimensions (mm)	Length		140 (5.5”)	
	Width		100 (3.9”)	
	Depth		4 (including adhesive pad)	
Operating Temp (°C)			-40° / +80°C (-40°/+176° F)	
Material			TPE	
Colour			Black	
Mounting Data				
Fixing			Adhesive pad & 4 × fixing holes	
Cable Data				
Type			CS23 (RG58 c/u)	
Diameter (mm)			5 (0.19”)	
Length (m)	To radio port	5 (16’ 4”)	5 (16’ 4”)	5 (16’ 4”)
	Antenna cable	5 (16’ 4”)	7 (23’)	10 (32’ 8”)
Termination (at radio port)		FME (f)	FME (f)	FME (f)

*VSWR measured in free space on perspex sheet with 5m (16.4’) of CS23 cable
+Peak gain as measured in free space mounted to a perspex sheet with 0.5m (1.5’) of CS23 cable.

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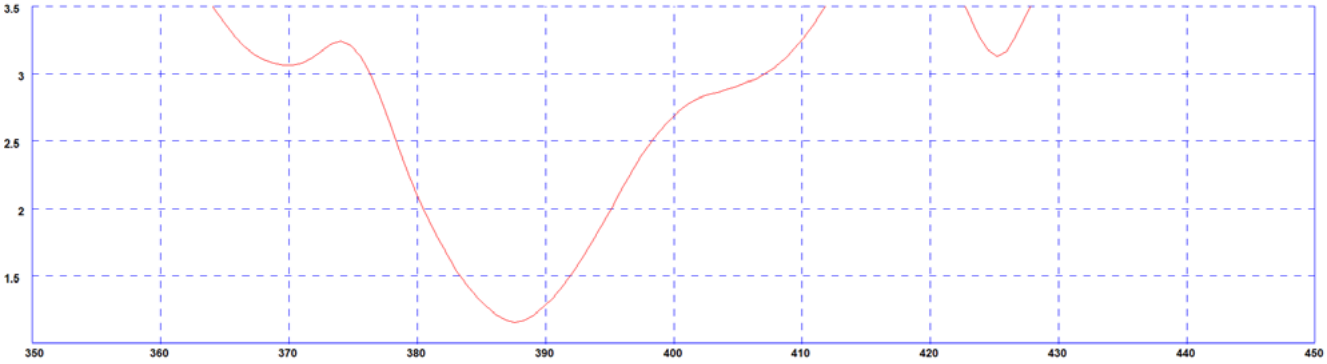
Electrical Data

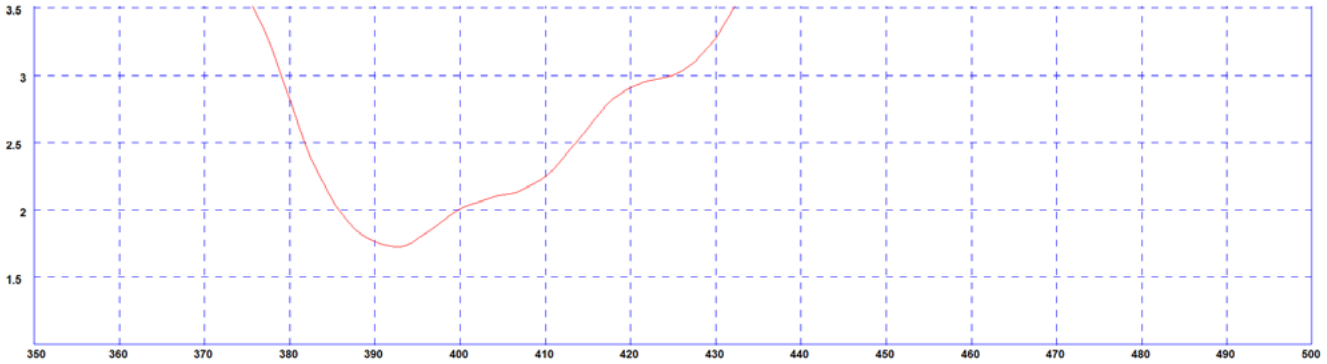
Typical VSWR*

Measured VSWR for BMP1-S1



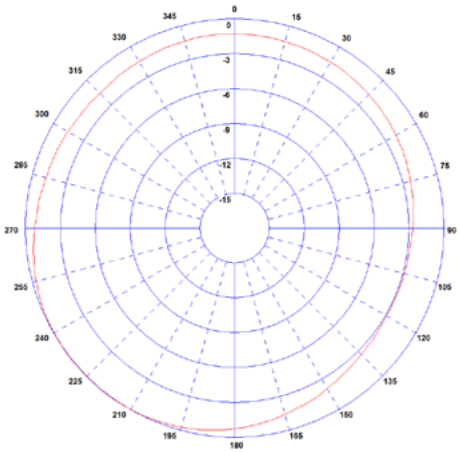
*VSWR measured in free space on perspex sheet with 5m (16.4') of CS23 cable

Measured VSWR for BMP1-S3

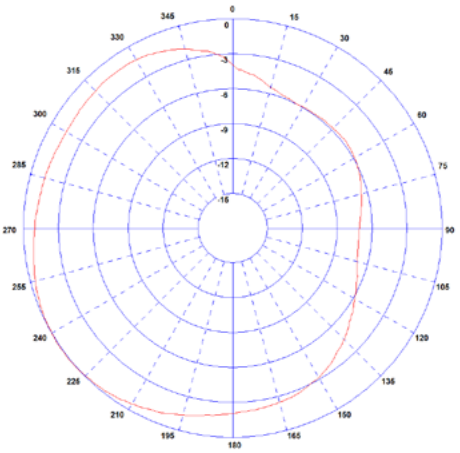


*VSWR measured in free space on perspex sheet with 5m (16.4') of CS23 cable

Typical H-Plane BMP1-S1 (390MHz)



Typical H-Plane BMP1-S3 (400MHz)



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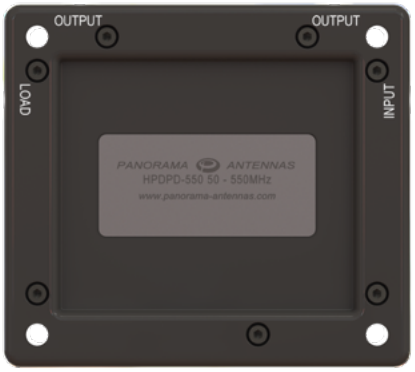
Product Data



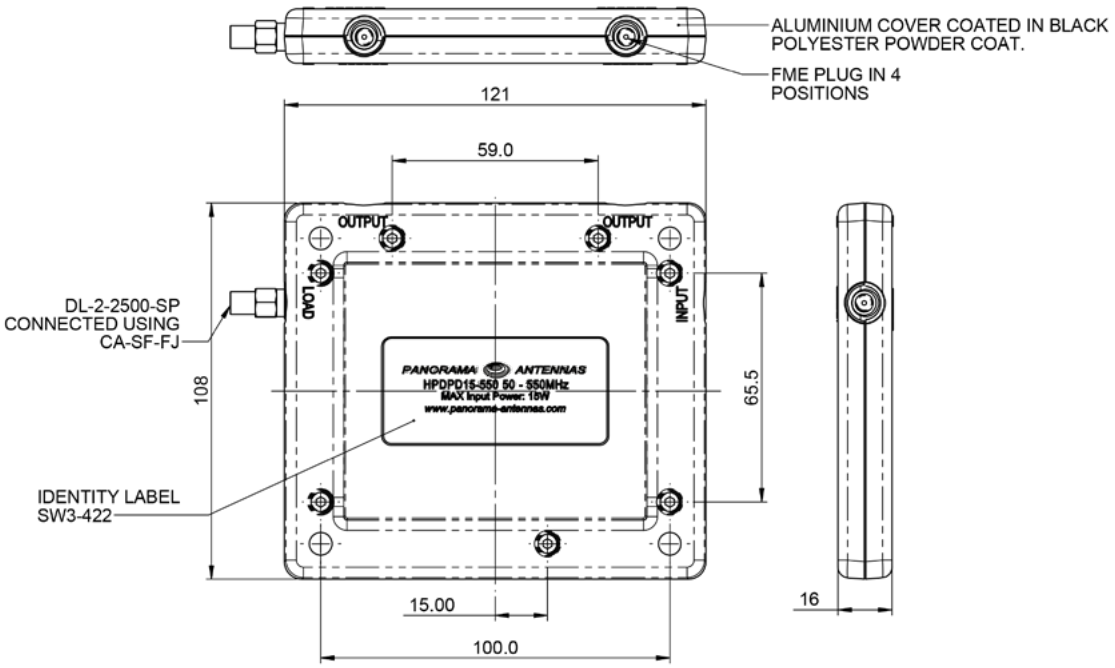
- Optimise antenna performance
- Connect two antennas to a radio
- 15W, 60W & 150W versions

The HPDPD-550 series is a range of power dividers designed to split the power from a radio to distribute it to two separate antennas. Designed to support Panorama Antennas' covert VCD (VHF) and BMP (UHF) bumper / fender mount antennas the HPDPD-550 range comes in three variants for up to 15W, 60W and 150W input power respectively,

Covering a frequency range from 50-550MHz the HPDPD efficiently distributes power to two antennas with very low losses allowing users to distribute covert antennas at opposite ends of a vehicle to ensure maximal coverage.

Technical Drawing

HPDPD15-550 Shown



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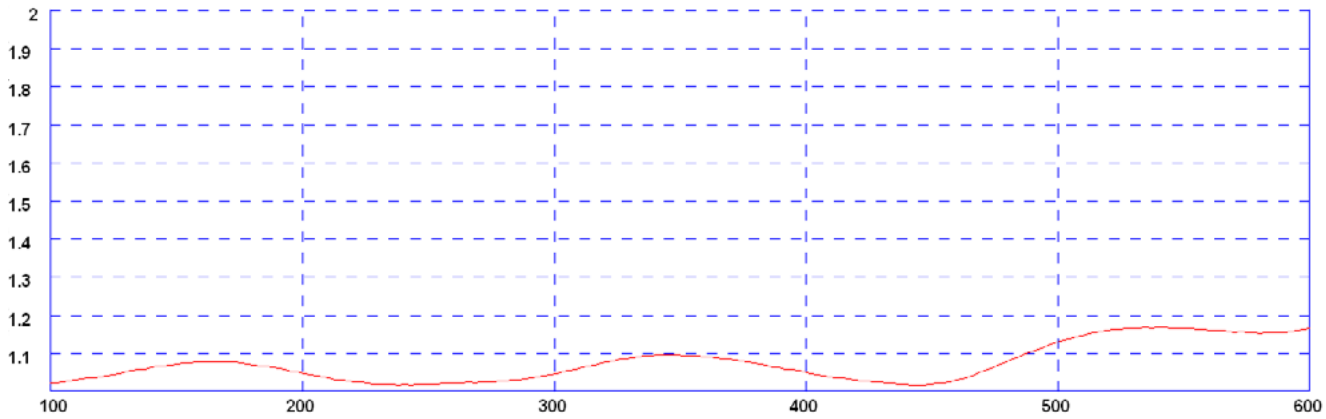
Electrical Data

Part No.		
		HPDPD15-550
Electrical Data		
Frequency Range (MHz)		50-550
Insertion loss		< 0.5dB
Isolation between output ports		> 25dB
Impedance		50Ω
Max Input Power (W)		15
Mechanical Data		
Dimensions (mm)	Length	16 (0.6”)
	Width	108 (4.2”)
	Height	121 (4.7”)
Operating Temp (°C)		-40° / +80°C (-40°F / +176°F)
Material		Aluminium
Colour		Black
Termination		FME plug (on all ports)

Electrical Data

Typical VSWR - Input Port



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