

TETRA UHF

Diplexer for TETRA & GPS Car Kits

DPX-1000-1500 & VR5-F



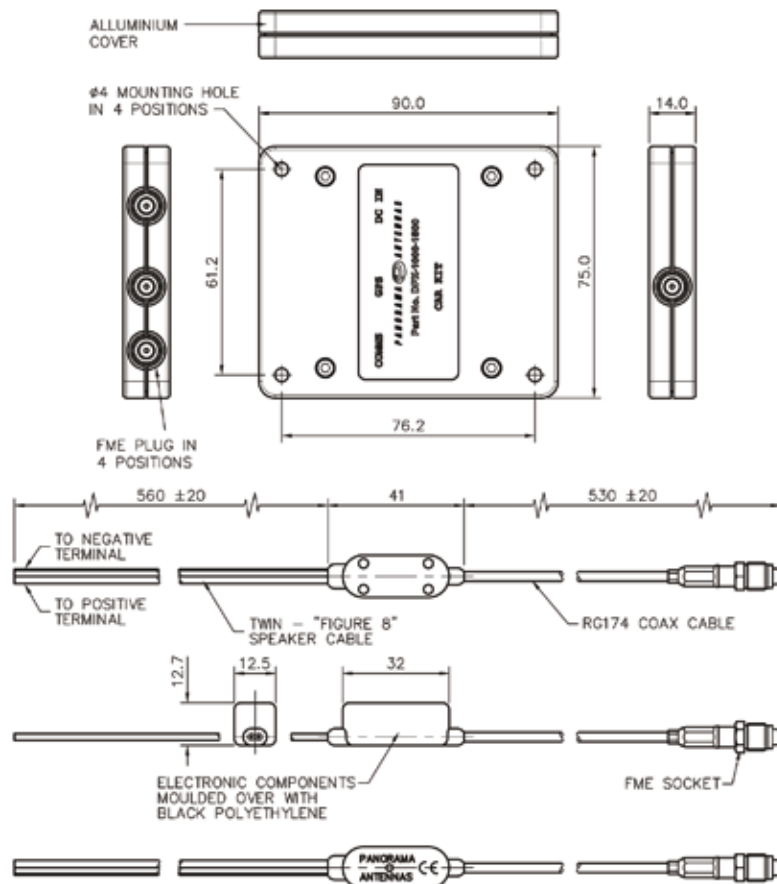
- Splits combined GPS & TETRA to separate antennas
- Low insertion loss
- High level of isolation between antenna ports

The DPX-1000-1500 is an efficient diplexer unit that splits a combined GPS & TETRA UHF feed to separate antennas.

When the user attaches their handset to their car kit it enables them to use an external antenna located in a better position, improving helping their communication and navigation functions.



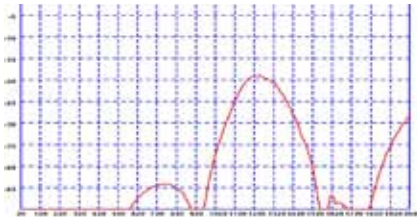
Technical Drawing



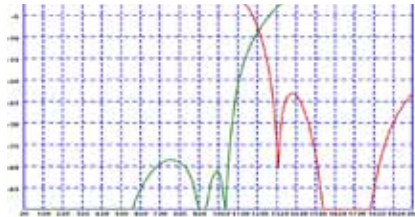
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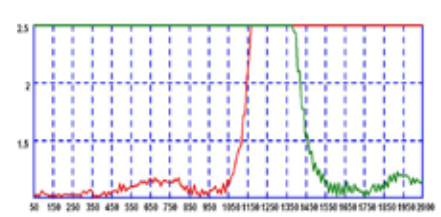
Insertion between high & lowpass ports



Insertion loss of antenna to high & lowpass ports



Typical VSWR of high & lowpass ports



Part No.		
		DPX-1000-1500
Electrical Data		
Frequency range (MHz)	Lowpass	50-1000
	Highpass	1500-2000
Insertion loss	Lowpass	< 0.5dB
	Highpass	< 0.5dB
Impedance	50Ω	
Max input power	Up to 500MHz	50W
	500-1000MHz	20W
DC feed voltage	3-7V	
Mechanical Data		
Dimensions (mm)	Length	90
	Width	75
	Height	14
Operating Temp (°C)	-40° / +80°C	
Material	Engineering plastic	
Colour	Black	
Mounting Data		
Fixing	4 x mounting holes	
Approvals		
CE Marking	CE No. 75903224	
Voltage Regulator		
Part No.		VR5-F
Input voltage range		7 - 36V DC
Output voltage		5V DC
Max output current		40mA
Input connection	Length (m)	0.56
	Cable type	Twin figure of 8 cable
	Negative line	Grey - Black tracer
	Positive line	Grey
	Fuse	Recommended Max 1A fuse
Output connection	Length (m)	0.53
	Cable type	RG174
	Termination	FME socket

Panorama Antennas Ltd
Frogmore, London, SW18 1HF, United Kingdom

T: +44 (0)20 8877 4444
F: +44 (0)20 8877 4477

E: sales@panorama-antennas.com
www.panorama-antennas.com

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