

Public Safety DPX-500-700

VHF/UHF & 7/800 Diplexer

V. 3 12/02/16



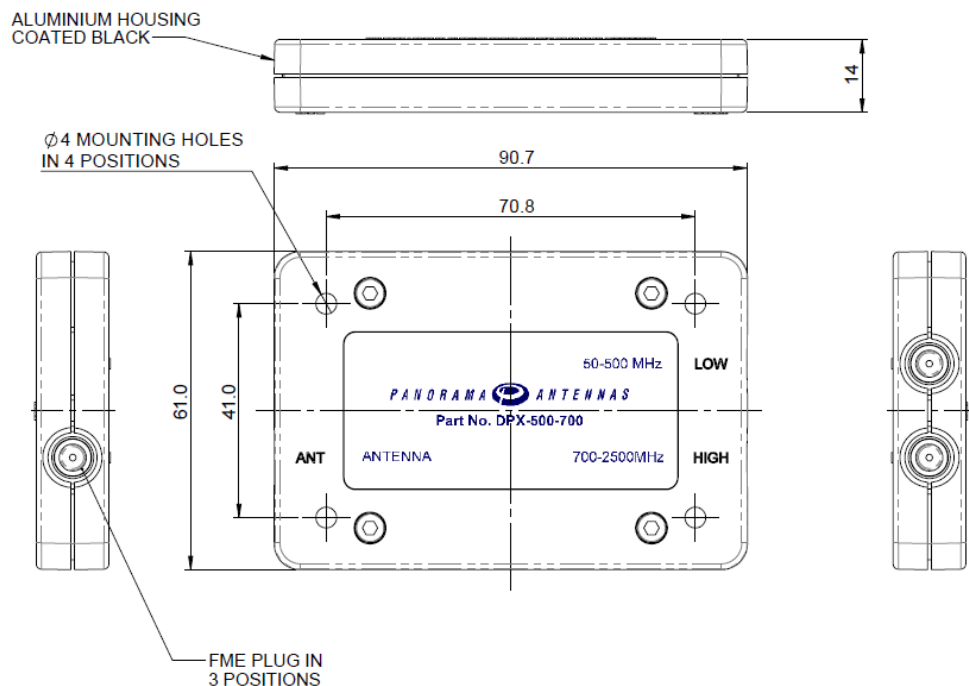
Use one antenna for 2 radios
 Splits VHF & UHF from 7/800MHz & cellular
 Easy to install

The DPX-500-700 offers the opportunity to utilise a single multiband antenna with two radios. This conserves valuable vehicle real estate and saves on antenna installation costs.

The diplexer has low loss characteristics and is perfect for splitting a single antenna to a VHF or UHF radio and a 7/800MHz radio.

The diplexer is compact enough to locate in a vehicle headliner and is fitted with FME (m) connectors.

Technical Drawing

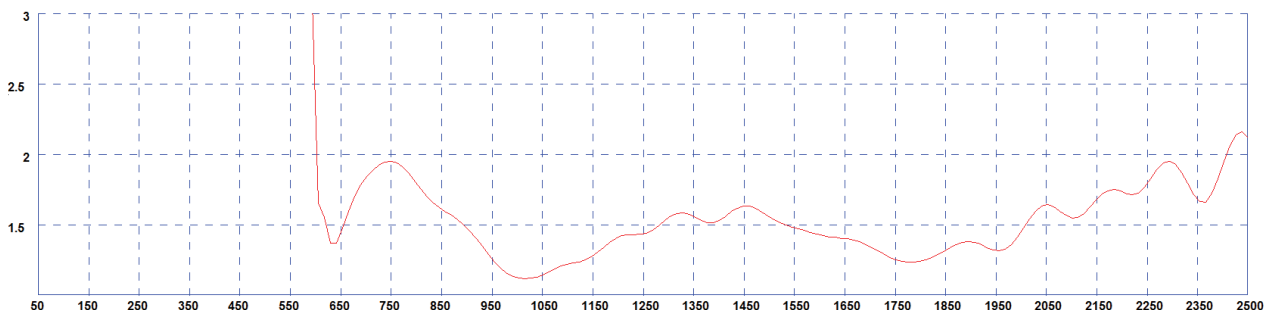


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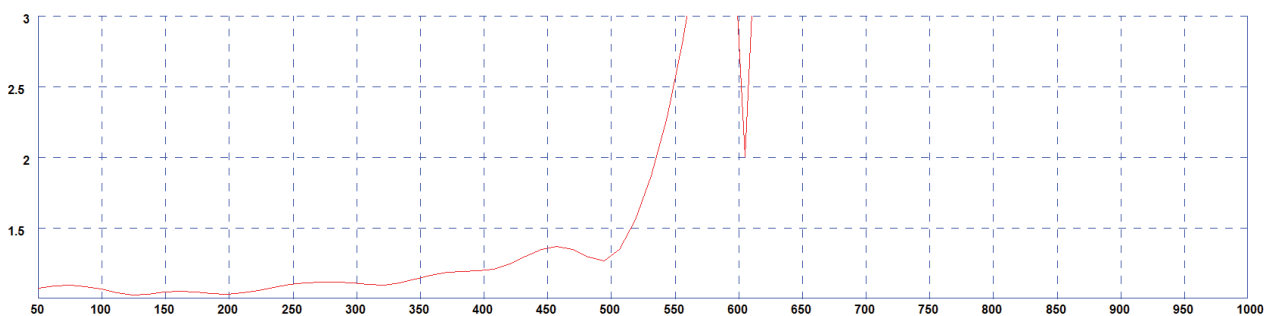
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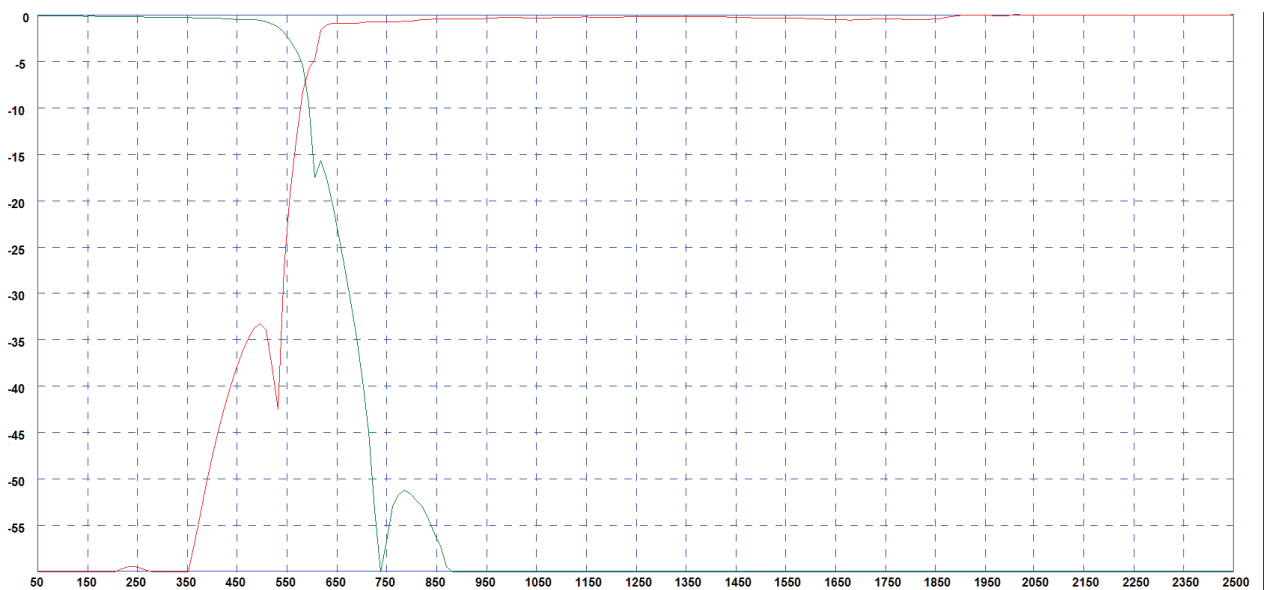
Typical High Pass VSWR



Typical Low Pass VSWR



Typical Insertion Loss

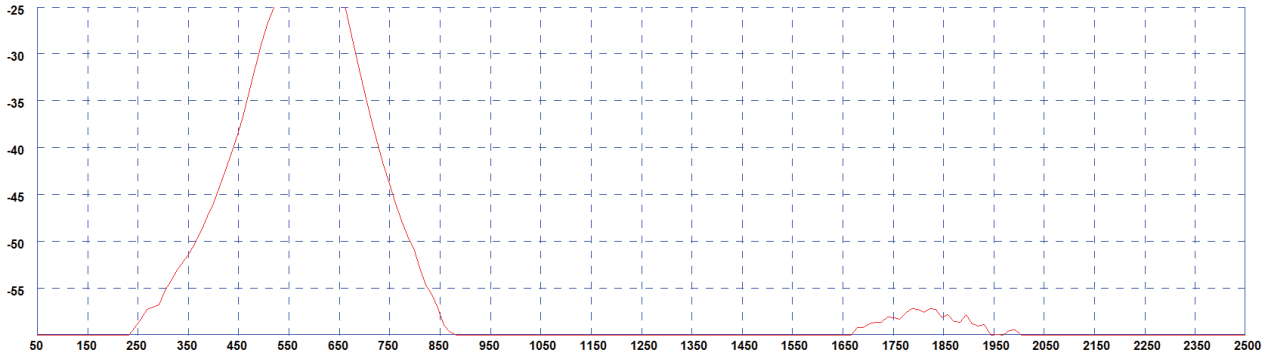


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DPX-500-700

Typical Port-to-Port Isolation



Part No.		DPX-500-700
Electrical Data		
Frequency Range (MHz)	VHF / UHF 700-2500MHz	50 - 500 700- 2500
Max. in-band insertion loss	VHF / UHF 700-2500MHz	< 0.75dB < 0.75dB
Min. alternate Band Rejection	VHF/UHF 700-2500MHz	>-40dB >-30dB
Typical VSWR		< 2:1
Min. port-to-port isolation		> 25dB
Maximum input power		50 Watts
Mechanical Data		
Dimensions (mm)	Length	91 (3.58")
	Width	61 (2.4")
	Thickness	14 (0.55")
Operating temp (°C)		-40° / +80°C (-40° / 176°F)
Material		Aluminium
Colour		Black
Termination		FME plugs on all ports
Mounting Data		
Fixing		4 × Mounting holes
Hole diameter (mm)		4 (0.16")



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