



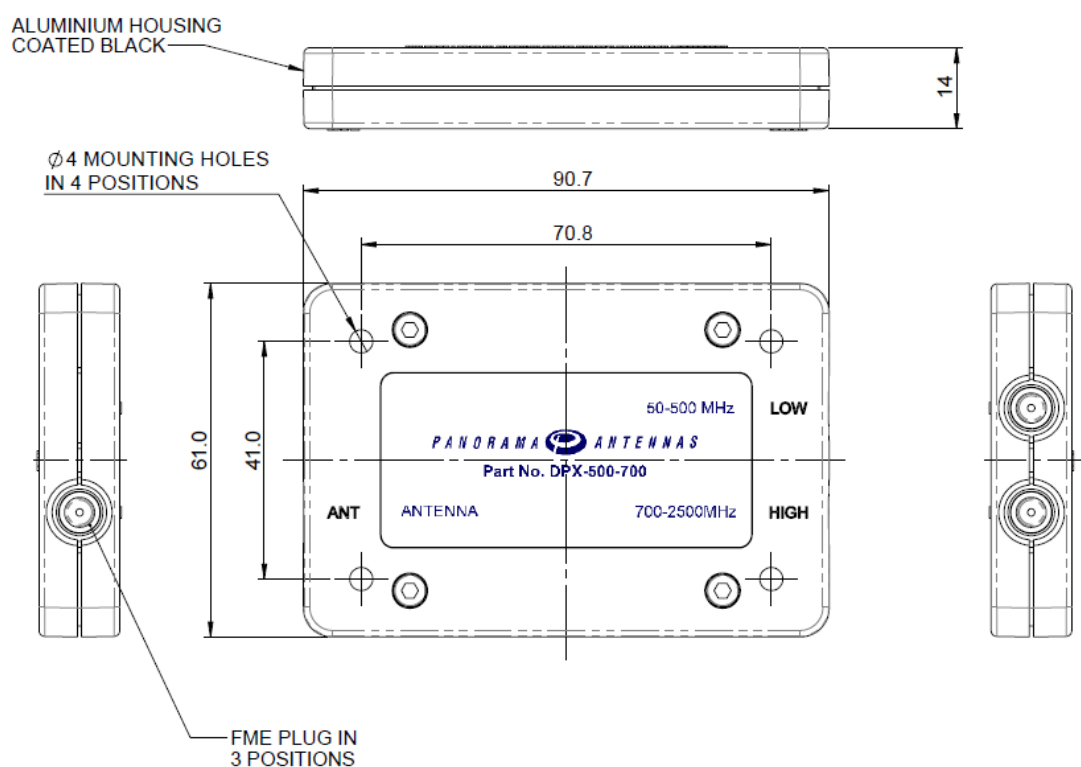
Use one antenna for 2 radios  
Splits VHF & UHF from 7/800MHz & cellular  
Easy to install

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.

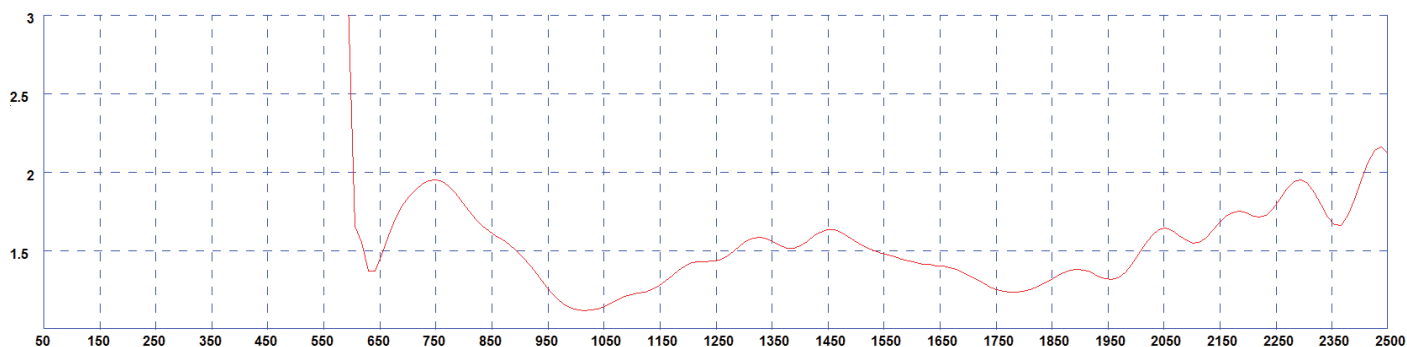
The diplexer has low loss characteristics and is perfect for splitting a single antenna to a VHF or UHF radio and a 7/800MHz radio.

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

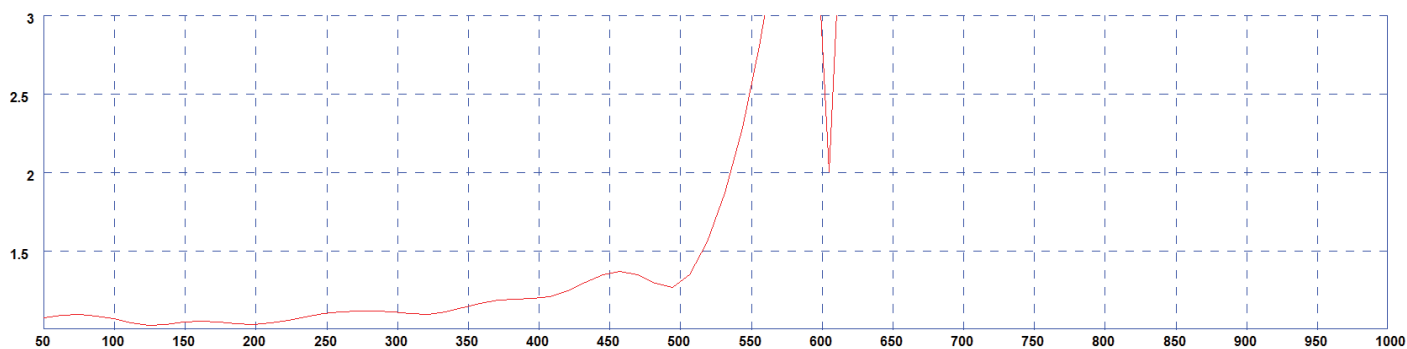
### Technical Drawing



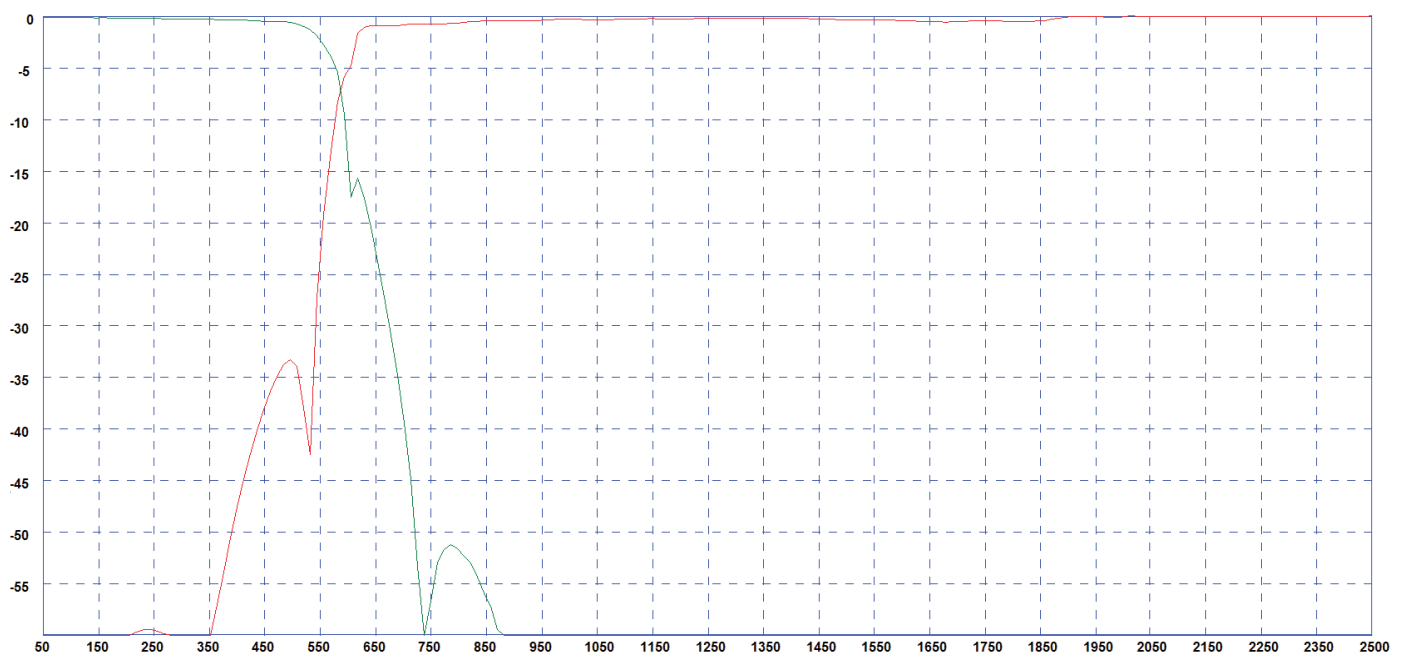
Typical High Pass VSWR



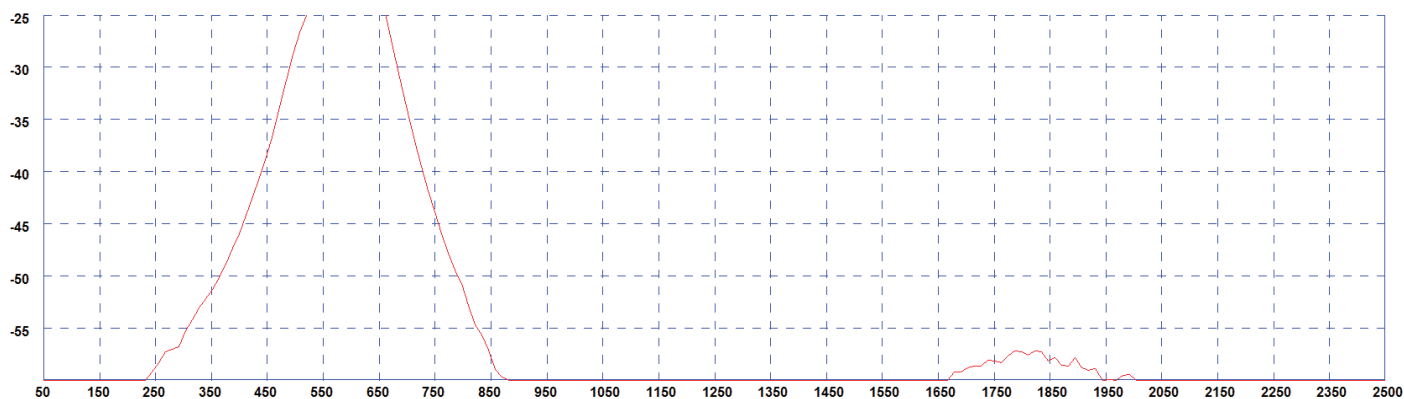
Typical Low Pass VSWR



Typical Insertion Loss



Typical Port-to-Port Isolation



Part No.

DPX-500-700

## Electrical Data

Frequency Range (MHz)	VHF / UHF	50 - 500
	700-2500MHz	700- 2500
Max. in-band insertion loss	VHF / UHF	< 0.75dB
	700-2500MHz	< 0.75dB
Min. alternate Band Rejection	VHF/UHF	>-40dB
	700-2500MHz	>-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")