

Public Safety

DPX-210-270

VHF & UHF / 7/800 Diplexer

V.3 19/04/16



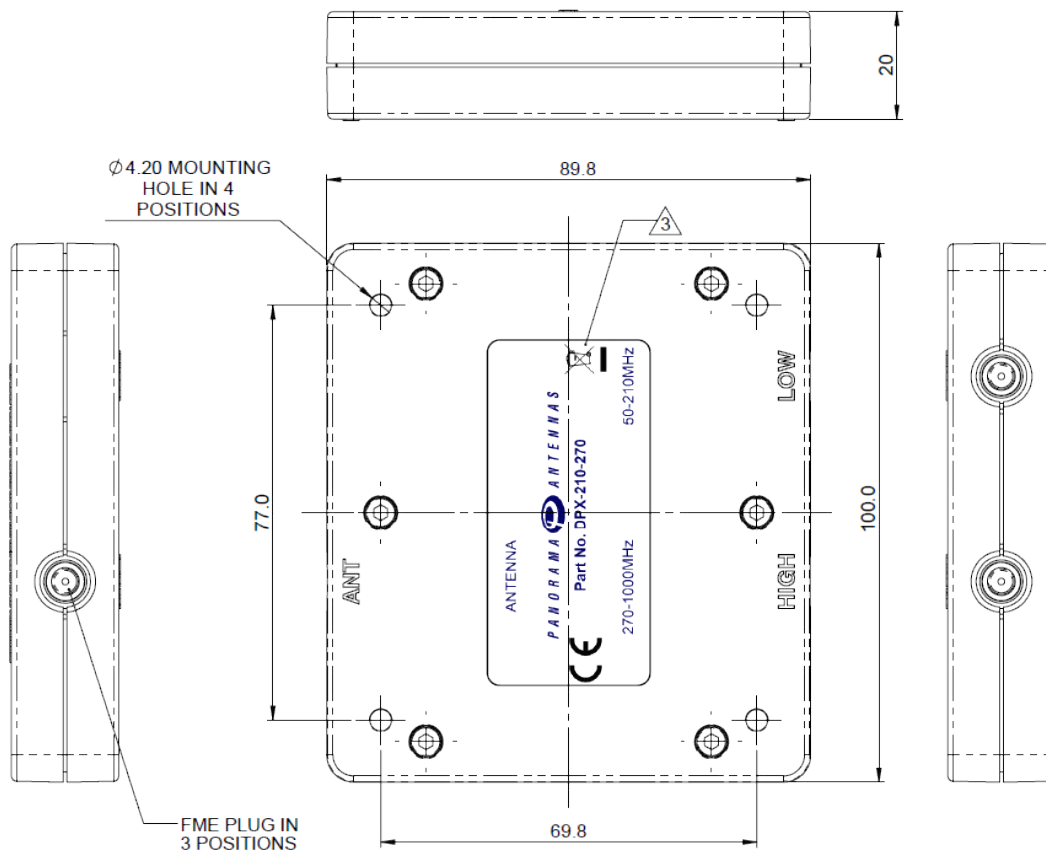
Use one antenna for 2 radios
Splits VHF / UHF & 7/800MHz

The DPX-210-270 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 and a UHF or 7/800MHz radio.

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

Technical Drawing

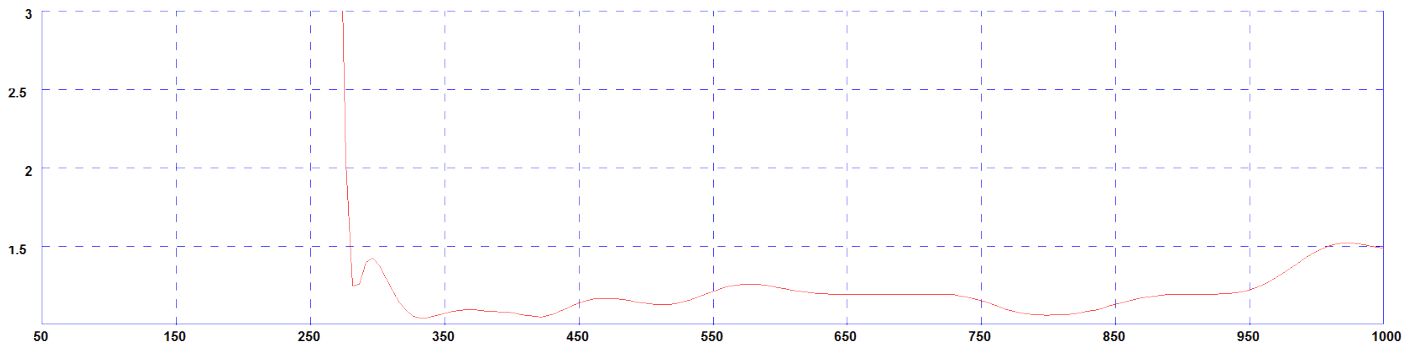


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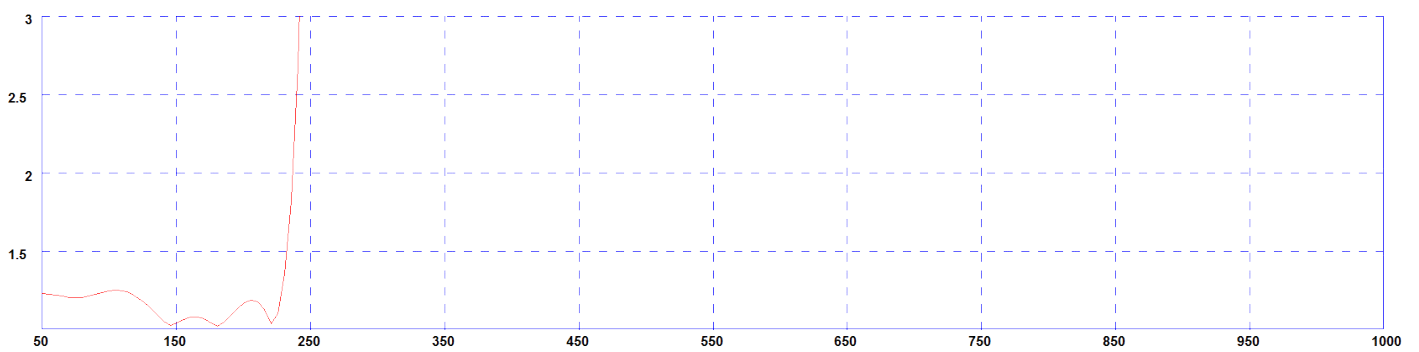
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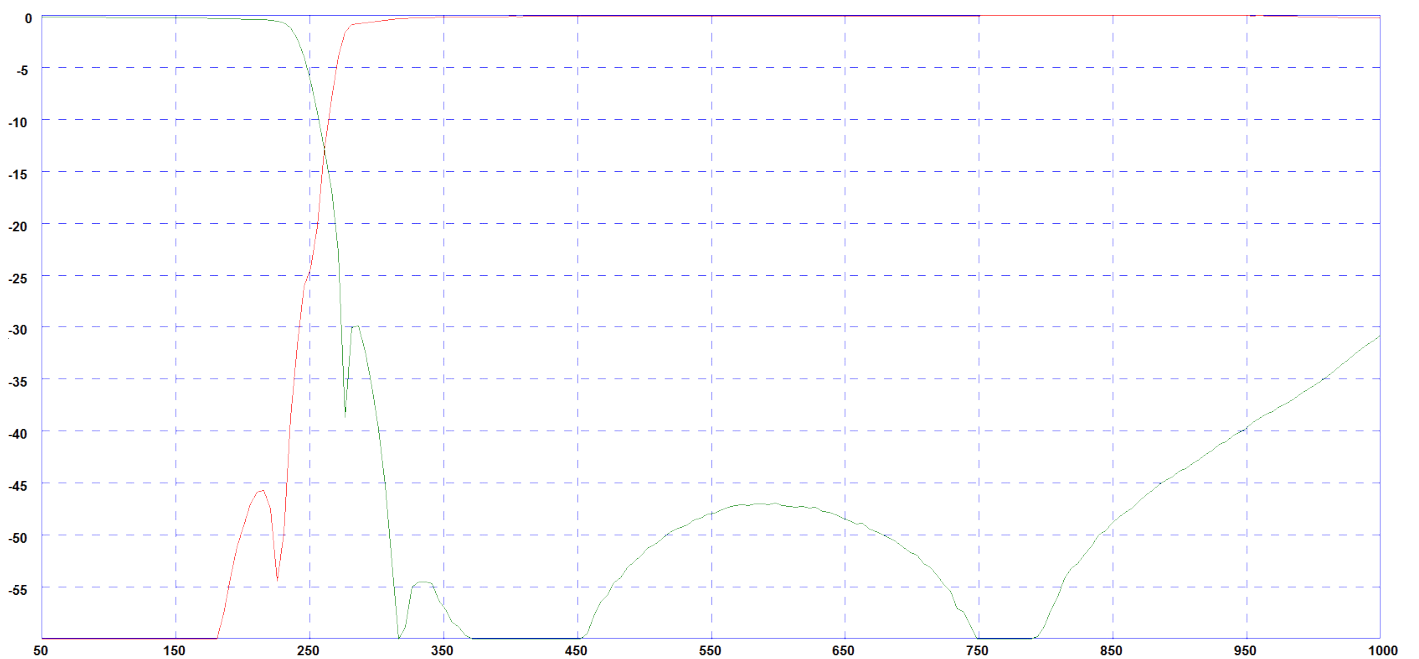
Typical High Pass VSWR



Typical Low Pass VSWR



Typical Insertion Loss (Both Ports)

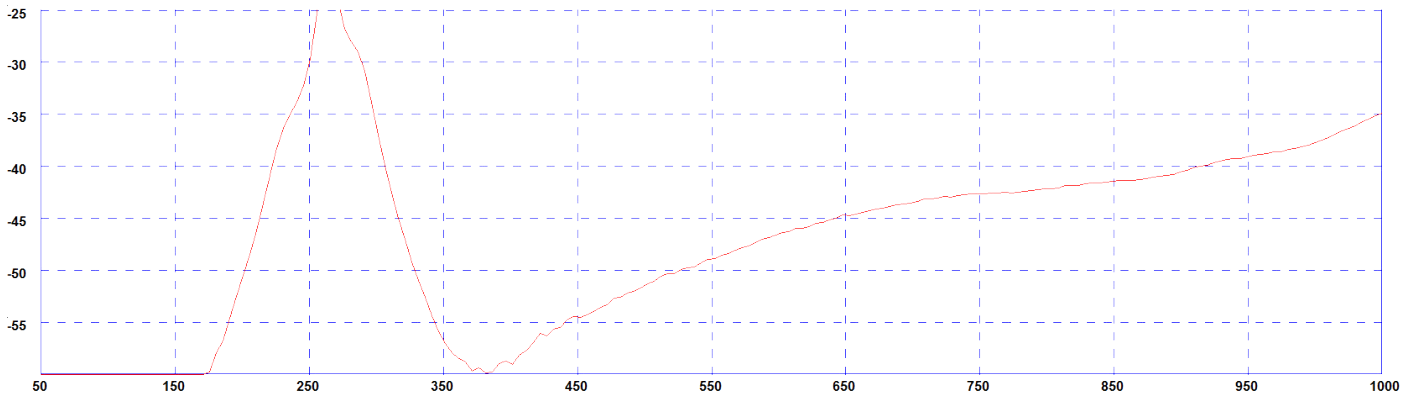


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Typical Port-to-Port Isolation



Part No.

DPX-210-270

Electrical Data

Frequency range (MHz)	VHF	50 - 210
	UHF	270 - 1000
Max. in band insertion loss	VHF	< 1dB
	UHF	< 1dB
Min. alternate band rejection	VHF	> -30dB
	UHF	> -40dB
Typical VSWR		<1.5:1
Min port-to-port isolation		> 25dB
Maximum input power		60 Watts

Mechanical Data

Dimensions (mm)	Length	100 (3.94")
	Width	90 (3.54")
	Diameter	20 (0.8")
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
Fixing hole size (mm)	4 (0.16")

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