



50-210MHz & 270-1000MHz

- Connect a dual band antenna to two radios
- Connect a dual band radio with single feed to two single band antennas
- Effective port to port isolation

The DPX-210-270 provides the possibility to use a single dual or multiband antenna with two radios. This conserves valuable vehicle real estate and saves on antenna installation costs.

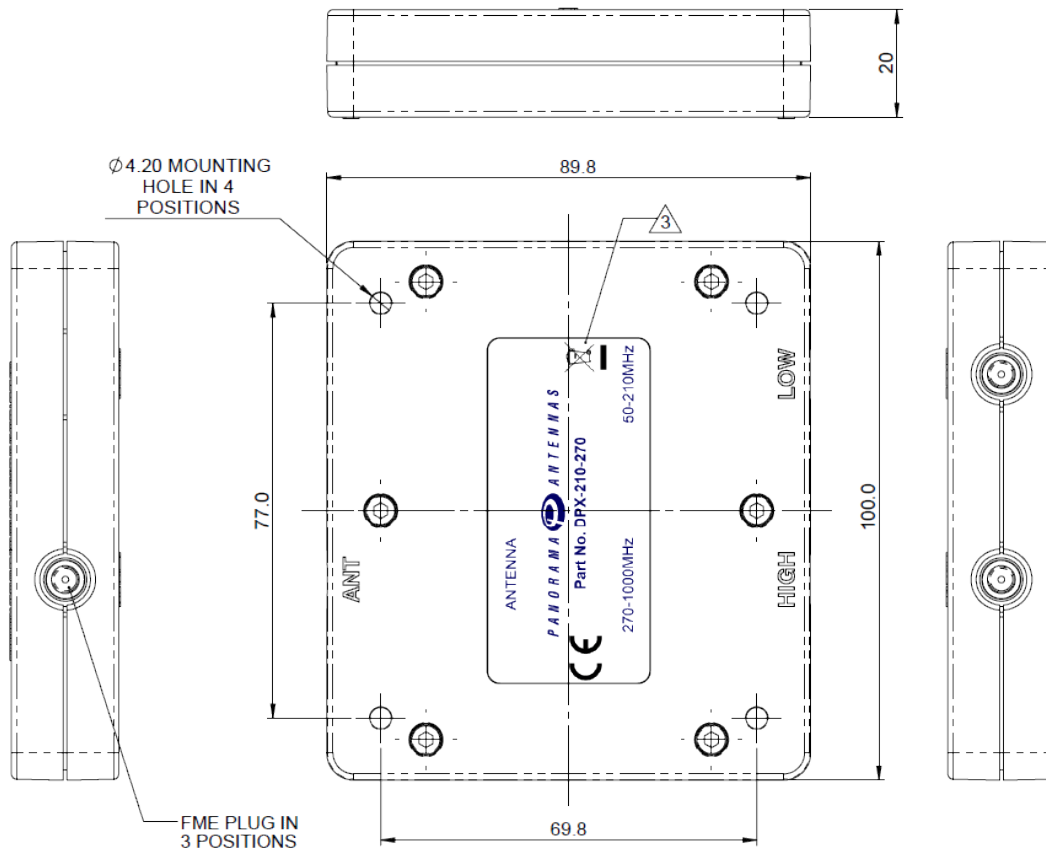
Alternatively, it allows the connection of a dual band radio, with a single connector, to two separate single band antennas.

This diplexer has low insertion loss and excellent port to port isolation to maintain good radio performance on each band.

The DPX-210-270 diplexer has a compact, durable housing, with integrated fme plug connectors, making it possible to locate in a vehicle headliner, adjacent to the antenna, if required.

Technical Drawing

DPX-210-270 Shown



Public Safety

VHF / UHF Diplexer

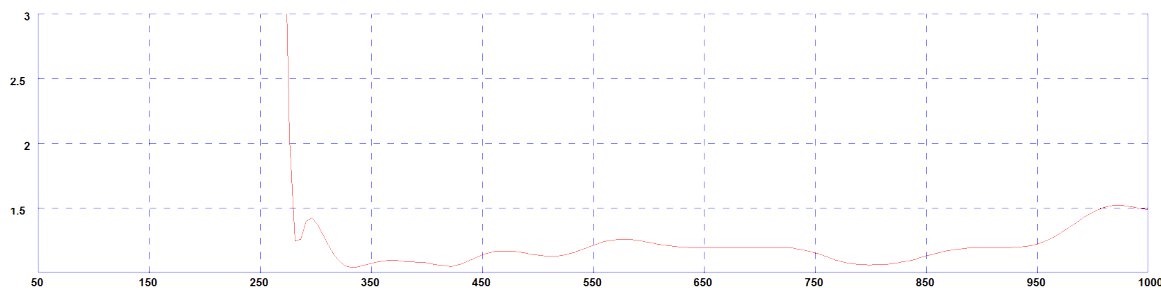
DPX-210-270

Product Data

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")

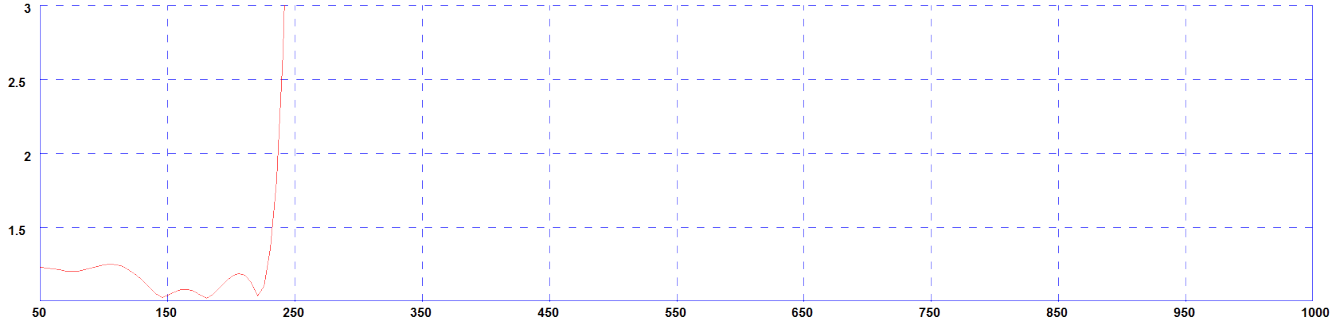
Electrical Data - Cell

Typical High Pass VSWR

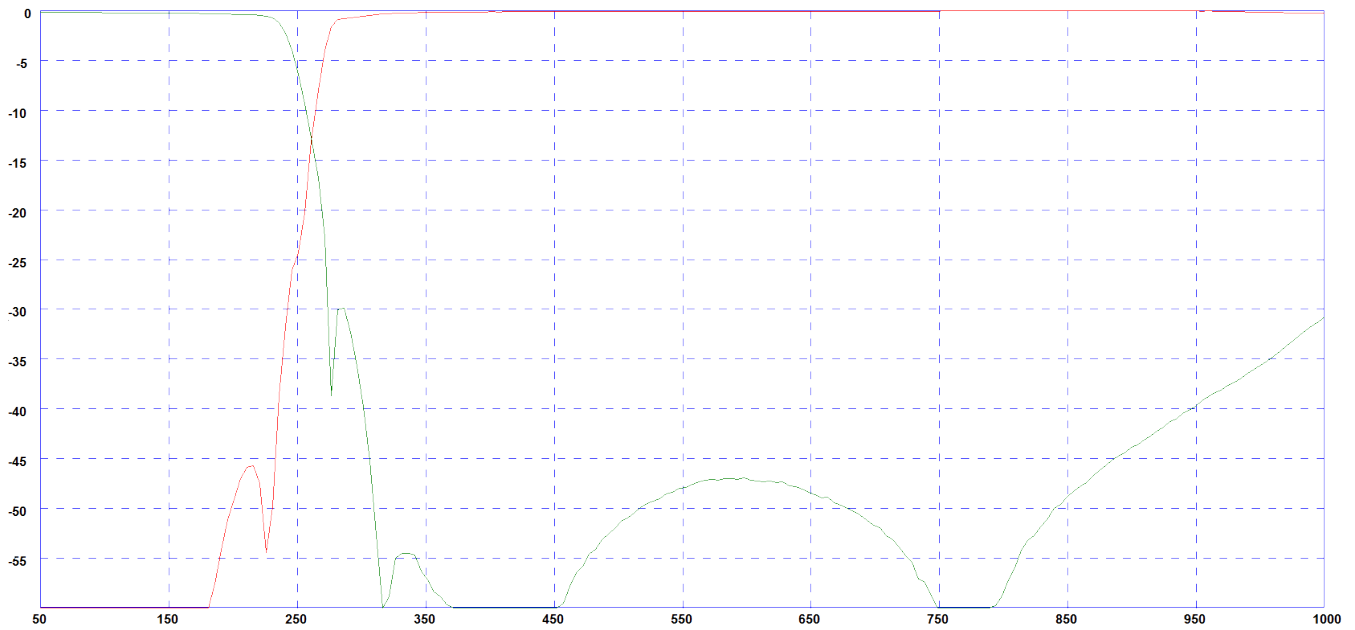


Electrical Data - Cell

Typical Low Pass VSWR



Typical Insertion Loss (Both Ports)



Typical Port-to-Port Isolation

