

PR4330-5 Heavy duty 700/800 MHz vehicle mounted duplexer

- Ultra-rugged construction for off-road vehicle use
- Good protection from out-of-band frequencies with low insertion loss
- Excellent temperature compensation

The PR4330 is a narrow band 700/800 MHz duplexer that offers ultra-rugged construction, excellent protection from out-of-band frequencies to minimize RF interference and to maintain good signal quality, and excellent temperature compensation to keep a stable product performance over a very wide range of temperatures.

This highly ruggedized product line is ideal for use by law enforcement agencies to ensure the integrity of their communications in rough, off-road and extreme environmental conditions.



www.sinclaire.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
Telephone	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
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Electrical Specifications

Tx Frequency Range	MHz	799.15 to 800	
Rx Frequency Range	MHz	769.15 to 770	
Reject Band 1 Frequency Range	MHz	772 to 870	*1
Reject Band 2 Frequency Range	MHz	772 to 776	*2
Reject Band 3 Frequency Range	MHz	802 to 870	*3
Number of Cavities - Tx Side		3	
Number of Cavities - Rx Side		3	
Connectors	N-female (Ant), BNC-female (Rx), TNC-female (Tx)		
Input VSWR (max)		1.5:1	
Insertion loss (max) Tx to Ant	dB	2	*4
Insertion loss (max) Rx to Ant	dB	2	*5
Impedance	Ω	50	
Isolation - Tx noise suppression at Rx (min)	dB	70	
Isolation - Rx carrier suppression at Tx (min)	dB	70	
Average Power Input (max)	W	50	

Notes

- *1 : Rx filter > 40 dB
- *2 : Tx filter > 40 dB
- *3 : Tx filter > 40 dB
- *4 : 1.5 dB typical, ripple < 1 dB
- *5 : 1.5 dB typical, ripple < 1 dB
- *6 : Including connectors

Mechanical Specifications

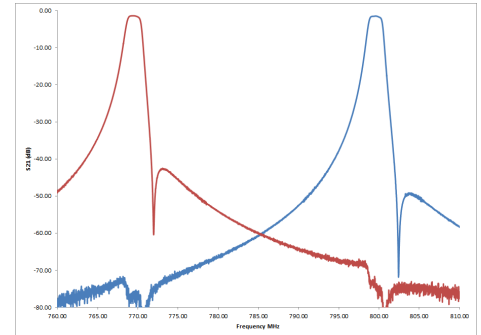
Width	in (mm)	9.55 (243)	
Depth	in (mm)	12.64 (321)	*6
Length/ Height	in (mm)	5.38 (137)	
Weight	lbs (kg)	23 (10.44)	

Environmental Specifications

Temperature range	°F (°C)	+86 to +140 (+30 to +60)
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Ordering Information

Insertion loss does not include jumper cable loss.



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