

MR2332 SERIES Duplexer, 6 cavity mobile, 5 or 7 MHz separation, 148-174 MHz

- Extremely compact form factor
- Six highly stable temperature compensated helical resonators
- Enclosure made of lightweight and rugged aluminum extrusion
- 50 Watts power handling with 70 or 80 dB Tx to Rx isolation

Sinclair's MR2332 series of mobile duplexers are compact units, fabricated from lightweight, rugged aluminum extrusion, which affords maximum structural integrity. Carefully temperature-compensated resonators are designed to minimize variations due to changing operating environments. These duplexers provide superior performance for trunking and conventional applications, and may also be used as low-power base station duplexers.



When ordering, please refer to the chart below for the model number, and also specify the Tx and Rx frequencies. Different connector configurations are subject to various list price. Customization is also available. Please contact your Sinclair Sales Representative or Customer Service Representative for more information.

Part Number	Connector	Frequency Sep.	Frequency Range	Isolation (min)
		MHz	MHz	dB
MR2332B-1-1	BNC(f)	5	148-160	70
MR2332B-1-2	BNC(f)	7	148-160	80
MR2332B-2-1	BNC(f)	5	160-174	70
MR2332B-2-2	BNC(f)	7	160-174	80
MR2332T-1-1	TNC(f)	5	148-160	70
MR2332T-1-2	TNC(f)	7	148-160	80
MR2332T-2-1	TNC(f)	5	160-174	70
MR2332T-2-2	TNC(f)	7	160-174	80

BNC connector model shown.

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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Product Specification Sheet		MR2332 SERIES	Issue: 1	Dated: 02-10-20

Electrical Specifications

Frequency Range	MHz	148 to 174	*1
Number of Cavities - Low Pass Side		3	
Number of Cavities - High Pass Side		3	
Connectors		Various	*2
Input VSWR (max)		1.5:1	
Insertion loss (max)	dB	1.5	
Impedance	Ω	50	
Isolation - Tx noise suppression at Rx (min)	dB	70	*3
Isolation - Rx carrier suppression at Tx (min)	dB	70	*4
Average Input Power (max)	W	50	*5
Frequency separation range	MHz	5 or 7	*6

Notes

- *1 : See previous page for details.
- *2 : See previous page for details.
- *3 : 70 dB at 5 MHz separation; 80 dB at 7 MHz separation.
- *4 : 70 dB at 5 MHz separation; 80 dB at 7 MHz separation.
- *5 : 40 watts for base station usage scenario
- *6 : See previous page for details.

Mechanical Specifications

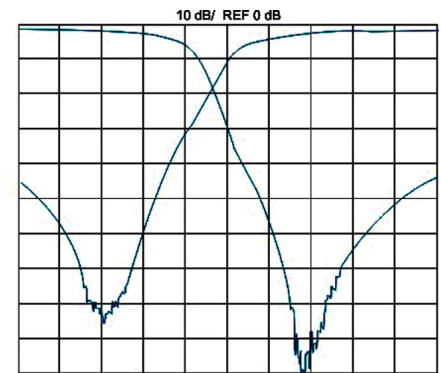
Width	in (mm)	6.25 (159)
Depth	in (mm)	4.06 (103)
Length/ Height	in (mm)	1.31 (33)
Finish		chemical conversion
Weight	lbs (kg)	1.04 (0.47)
Actual shipping weight	lbs (kg)	1.5 (0.68)
Shipping dimensions	in (mm)	9x6x2.5 (229x152x64)

Ordering Information

Specify Tx and Rx frequencies when ordering.

Environmental Specifications

Temperature range	°F (°C)	-22 to +140 (-30 to +60)
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Span 10 MHz
Response curve (typical), 5MHz Sep.

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