

MR3332 SERIES Duplexer, 6 cavity mobile, 5 MHz separation, 406-512 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 65 dB Tx to Rx isolation

Sinclair's MR3332 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 Range
MR3332B-1	BNC(f)	406-430 MHz
MR3332B-2	BNC(f)	430-450 MHz
MR3332B-3	BNC(f)	450-470 MHz
MR3332B-4	BNC(f)	470-490 MHz
MR3332B-5	BNC(f)	490-512 MHz

www.sinctech.com

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

Electrical Specifications

Frequency Range	MHz	406 to 512	*1
Number of Cavities - Low Pass Side		3	
Number of Cavities - High Pass Side		3	
Connectors		BNC-Female	
Input VSWR (max)		1.5:1	
Insertion loss (max)	dB	1.5	
Impedance	Ω	50	
Isolation - Tx noise suppression at Rx (min)	dB	65	
Isolation - Rx carrier suppression at Tx (min)	dB	65	
Average Input Power (max)	W	50	*2

Notes

- *1 : See previous page for details.
- *2 : 40 watts for base station usage scenario

Mechanical Specifications

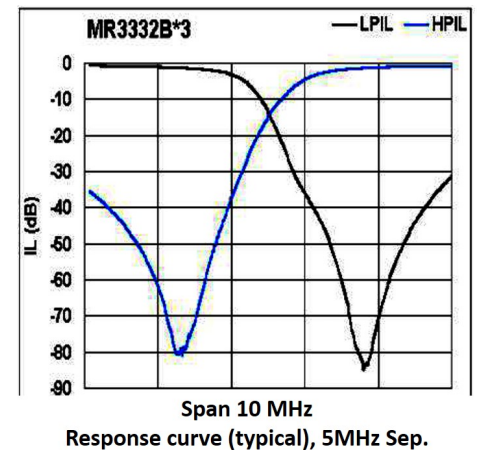
Width	in (mm)	6.25 (159)
Depth	in (mm)	4.75 (121)
Length/ Height	in (mm)	1.31 (33)
Finish		chemical conversion
Weight	lbs (kg)	1.03 (0.47)
Actual shipping weight	lbs (kg)	1.6 (0.73)
Shipping dimensions	in (mm)	12x8x2.5 (305x203x64)

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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