

Duplexers Low Band, Aviation, and VHF Duplexers MR256 Series

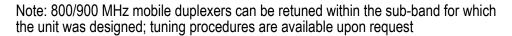
MR256B-E6010

Duplexer, mobile, compact, 6 cavity, BNC-Female connector, 155-174 MHz

- · Utilizes six rugged and carefully temperature compensated helical resonators
- · Made of lightweight aluminum extrusion
- · Comes with BNC-Female connector and tuned with 15-18 MHz frequency separation

Sinclair's MR 256 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.

Standard units are supplied with BNC connectors, but a number of special mounting and alternate connector and cavity configurations are available upon request. Consult your Sinclair representative for further information and assistance in designing a mobile duplexer to meet your specific requirements.





- Variations on connectors, mounting and cavity configurations are available on special order. Consult Sinclair to determine the best solution for your system requirement.
- The MR series of compact mobile duplexers can be retuned within the sub-band for which the unit was designed; tuning procedures are available upon request.



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Frequency Range	MHz	155 to 174	
Connectors		BNC-Female	
Input VSWR (max)		1.5:1	
Insertion Loss (max) Tx to Ant	dB	1.5	
Impedance	Ω	50	
Average Input Power (max)	W	50	
Frequency separation range	MHz	15 - 18	
Isolation (min)	dB	80	

Mechanical Specifications		
Width	in (mm)	6.26 (159)
Depth	in (mm)	7 (178)
Length/ Height	in (mm)	1.31 (33)
Finish		chemical conversion
Weight	lbs (kg)	2 (0.91)
Mounting configurations		mounting holes on unit
Actual shipping weight	lbs (kg)	2.5 (1.14)
Shipping dimensions	in (mm)	13x9x3 (330x229x76)
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Environmental Specifications			
Temperature range	°F (°C)	-22 to +140 (-30 to +60)	

Ordering Information
Specify required frequency range when ordering.

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Product Specification	n Sheet	MR256B-E6010	Issue: 1	Dated: 23-10-18 Dated: 25-01-12