

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.



Note: 800/900 MHz mobile duplexers can be retuned within the sub-band for which the unit was designed; tuning procedures are available upon request

Application Notes

- 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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Electrical Specifications

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)

Ordering Information

Specify required frequency range when ordering.

Environmental Specifications

Temperature range	°F (°C)	-22 to +140 (-30 to +60)
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