

MD356 SERIES Duplexer, 6 cavity mobile, 5 or 10 MHz separation, 380-480 MHz

- Compact and rugged design, ideal for mobile applications
- Low insertion loss for optimal system performance
- High isolation to minimize interference

MD356 series is Sinclair's new line of mobile duplexer that features six resonators for outstanding performance. This duplexer allows bi-directional communication over a common antenna and is ideal for applications that call for a compact rugged unit, such as in vehicles, or where space is constrained.

The Tx and Rx frequency separation available is 5 or 10 MHz. See below chart for detailed ordering information, and specify Tx and Rx frequencies when ordering. Other connector types are also available, please call for details.



N type connector model shown.

Part#	Connector	Frequency range	Separation
MD356N-1-1	N	406-440 MHz	5 MHz
MD356N-1-2	N	406-440 MHz	10 MHz
MD356N-2-1	N	440-480 MHz	5 MHz
MD356N-2-2	N	440-480 MHz	10 MHz
MD356N-4-1	N	380-400 MHz	5 MHz
MD356N-4-2	N	380-400 MHz	10 MHz

www.sinctech.com

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
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Product Specification Sheet		MD356 SERIES	Issue: 1	Dated: 27-10-20

Electrical Specifications

Frequency Range	MHz	380 to 480	
Number of Cavities - Low Pass Side		3	
Number of Cavities - High Pass Side		3	
Connectors		Various options avail.	*1
Input VSWR (max)		1.5:1	
Insertion loss (max)	dB	1.4	
Impedance	Ω	50	
Average Input Power (max)	W	50	*2
Isolation (min)	dB	75	

Notes

*1 : See previous page for details.

*2 : 40 watts for base station usage scenario

Mechanical Specifications

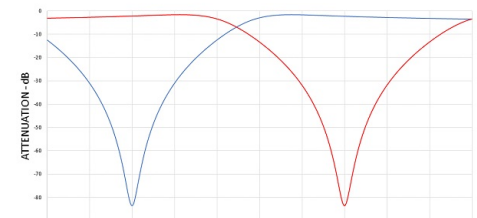
Width	in (mm)	6.05 (154)
Depth	in (mm)	8.92 (227)
Length/ Height	in (mm)	1.1 (28)
Weight	lbs (kg)	2.7 (1.23)
Mounting configurations		mounting holes provided
Actual shipping weight	lbs (kg)	3.1 (1.41)
Shipping dimensions	in (mm)	13x9x3 (330x229x76)

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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Typical response curve for 5 MHz separation

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