

MR356N-2 Duplexer, 6 cavity mobile, N con., 5 MHz (min)/ 10 MHz (max) sep., 440-480 MHz

Also referred as: MR356N*2

- Six highly stable temperature compensated resonators
- Enclosure made of lightweight and rugged aluminum extrusion
- 75 dB Tx to Rx isolation

The MR356N-2 is a compact mobile duplexer for use in the 440-480 MHz frequency band. It utilizes four carefully temperature compensated resonators housed in a rugged lightweight aluminum extrusion. There are an additional two (six in total) resonators (one for transmit and one for receive) to provide the added isolation that is required in some systems.

Application Notes

- 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.



BNC Connector option shown.

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet EPR 015272		MR356N-2	Issue: 11	Dated: 02-06-16 Dated: 02-10-13

Electrical Specifications

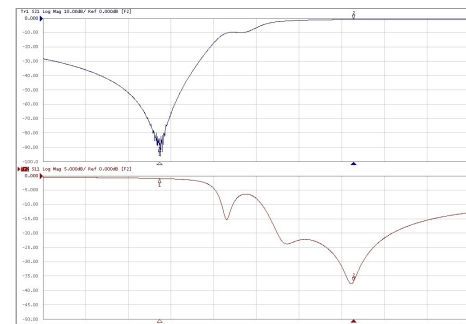
Frequency Range	MHz	440 to 480
Number of Cavities - LP		3
Number of Cavities - HP		3
Frequency Separation Range	MHz	5 to 10
Input VSWR (max)		1.5:1
Insertion loss (max)	dB	1.4
Impedance	Ω	50
Average Power Input (max)	W	50
Input Connectors		N-Female
Output Connectors		N-Female
Isolation (min)	dB	75

Mechanical Specifications

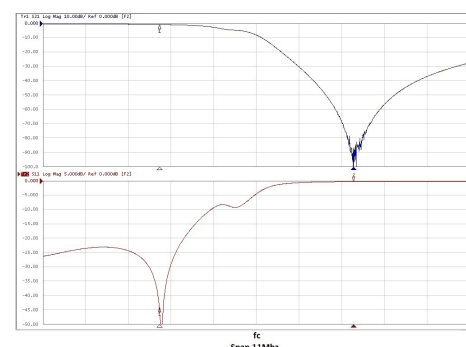
Width	mm (in)	159 (6.25)
Depth	mm (in)	229 (9)
Length/ Height	mm (in)	33 (1.3)
Finish		chemical conversion
Weight	kg (lbs)	1.14 (2.5)
Actual shipping weight	kg (lbs)	1.36 (3)
Shipping dimensions	mm (in)	330x229x76 (13x9x3)
Mounting configurations		mounting holes provided

Environmental Specifications

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



Typical HP Response

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