

TRANSPORT DUPLEXERS

The MRx54 and MRx56 series are compact mobile duplexers for use in the VHF, UHF and 800-900 MHz frequency bands. They utilize four or six rugged, temperature-compensated resonators housed in a lightweight, aluminum extrusion. Their size and versatility make them an ideal unit for use where space is limited. Original equipment manufacturers of bi-directional amplifiers and coverage extenders find these products simple to integrate into their product.

The MR2222, MR2332 and MR3332 series are the extreme compact mobile duplexers in VHF and UHF frequency bands, suitable for the situations where space is very limited. Their depth can be as small as 4 inches.



KEY FEATURES

- > Rugged, temperature compensated resonators
- > Lightweight but durable aluminum extrusion enclosure
- > 50 Watts with up to 80 dB Tx to Rx isolation
- > Compact in size, suitable for restricted spaces

CUSTOMIZABLE OPTIONS

- > BNC-Female or N-Female connector options
- > 4 or 6 cavity configurations
- > Field tunable within the sub-band

Models	MR2222	MR2332	MR3332
Frequency Range (MHz)	138 to 174	148 to 174	406 to 512
No. of Cavities	4	6	6
Insertion loss (max) Tx to Ant (dB)	1 to 1.5	1.5 to 1.8	1.5
Isolation - Min (dB)	50	70	65
Dimension (Inch-DxHxL)	4.06x1.31x4.3	4.06x1.31x6.25	4.75x1.3x6.25
Weight (lbs)	1.00	1.04	1.03



Models	MR254	MR256	MR354	MR356
Frequency Range (MHz)	138 to 174	138 to 174	380 to 512	350 to 512
No. of Cavities	4	6	4	6
Insertion loss (max) Tx to Ant (dB)	1.2	1.5	1	1.4
Isolation - Min (dB)	60	80	50	75
Dimensions (Inch - DxHxL)	7x1.31x4.13	7x1.31x6.26	9x1.3x4.1	9x1.3x6.25
Weight (lbs)	1.8	2.0	1.8	2.5

Models	MR454	MR456
Frequency Range (MHz)	806 to 960	746 to 960
No. of Cavities	4	6
Insertion loss (max) Tx to Ant (dB)	1	1
Isolation - Min (dB)	50	60
Dimensions (Inch - DxHxL)	5.75x1.25x4.1	5.8x1.31x6.25
Weight	1.6 lbs	1.8 lbs