

8 Resonator Duplexer



MCD - 155



MCD - 455

FEATURES

MCD-155 / 455 is a 8 resonators miniaturized duplex filter for mobile / base station repeater.

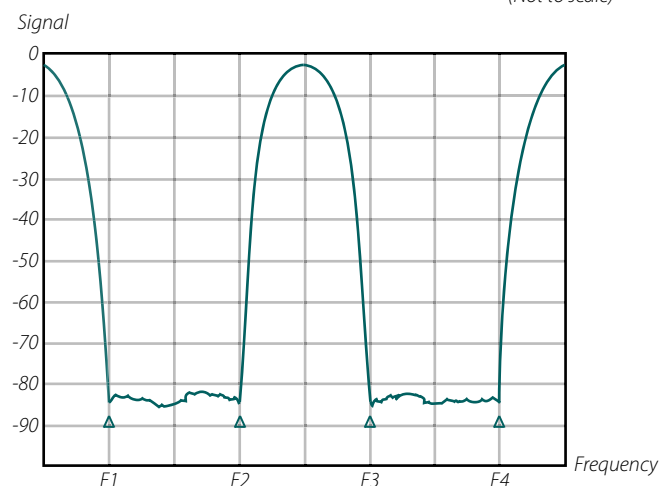
MCD-155 / 455 is primarily intended for equipment. The Tx and Rx operate on single frequencies / several channels, i.e. within a certain port bandwidth. (Factory tuning is recommended)

The housing is made of chassis of high grade alloy, and Teflon insulation has been applied in the rigid coaxial cables and in the connectors.

The filter is black vinyl coated to prevent corrosion.

*DUPLEXER TYPICAL NOTCH RESPONSE CURVE

(Not to scale)



SPECIFICATIONS

	MCD-155	MCD-455
Frequency Range	VHF 136-174MHz	UHF 400-470MHz
Low Port	136-170MHz	400-464MHz
High Port	140-174MHz	404-470MHz
Bandwidth	2.5 MHz	2 MHz
High-Low Port Mini. Freq. Separation (F2-F3)*	≥4MHz	
Insertion Loss	≤ 1.5dB	≤ 2.2dB
Rejection	≥ 80 dB	
VSWR	≤ 1.40	
Input Power (Average)	≤ 100W	
Frequency Stability	< 2ppm/C	
Impedance	50 Ω	
Operating Temperature	-25 °C to +60 °C	
RF Connector	N(F)	
Size	205 x 130 x 30 mm	210 x 105 x 30 mm
Weight (g)	< 1Kg	< 0.7Kg

**Specifications and features are subject to change without notice.

***Each duplexer is tested by qualified technician before delivery.