

WSDD-00012 — Public Safety Dual Duplexer

◆ Features:

- Designed to Reduce Interference to Public Safety Radios Caused by Commercial SMR Services
- Allows for Easy Installation – Only Two Connectors with No Radio Modifications
- High Receive Selectivity – 17 dB Minimum 1 MHz From Receive Passband Edges
- Low Transmit Loss – 0.4 dB Maximum and 50 watts Power Handling

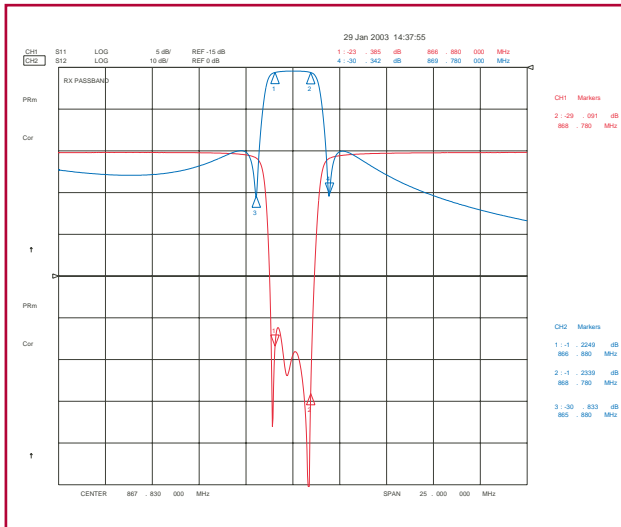
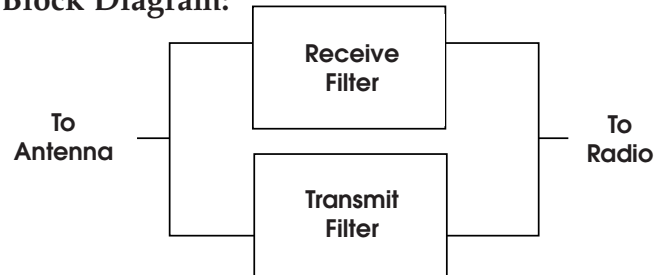
◆ Specifications:

Passbands:	
Transmit	821.88-823.78 MHz
Receive	866.88-868.78 MHz
Passband Insertion Loss:	
Transmit	0.4 dB maximum
Receive	1.75 dB maximum
Passband Return Loss:	14 dB minimum
Rejection:	
DC-750 MHz	40 dB minimum
855-865.88 MHz:	17 dB minimum
868.78-900 MHz:	17 dB minimum
900-1000 MHz:	40 dB minimum
Transmit Passband Power Handling:	
CW	5 watts
Peak Instantaneous	50 watts

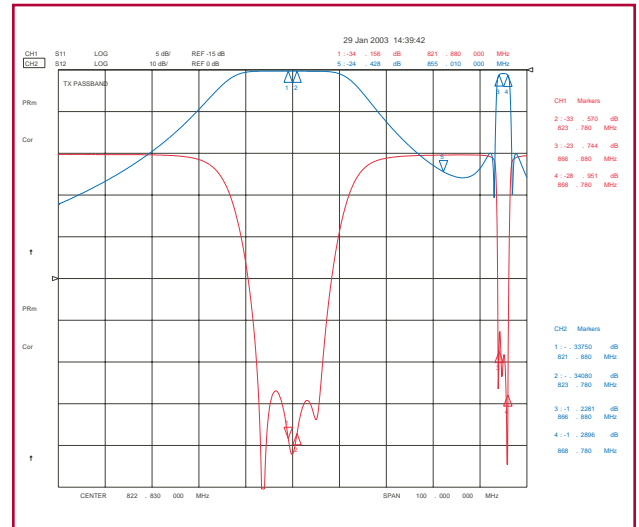


Dimensions:	13.0"D x 6.0"W x 3.25"H (Max.) (excluding connectors) (330.2 x 152.4 x 82.6mm)
Connectors:	TNC-F (x2) (Mini UHF optional)
Operating Temperature:	-10 to +60°C
Storage Temperature:	-40 to +85°C
Operating Humidity:	0 to 90%, non condensing

◆ Block Diagram:



Rx Passband



TX Passband

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