

WSDD-00009 — 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

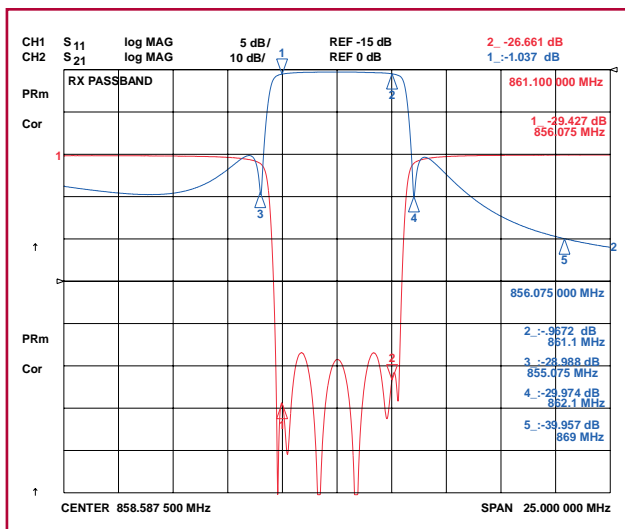
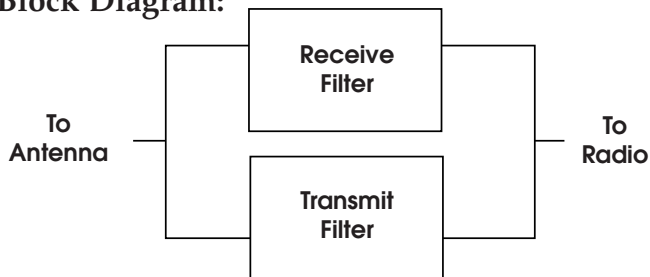
◆ Specifications:

Passbands:	
Transmit	811.075-816.10 MHz
Receive	856.075-861.10 MHz
Passband Insertion Loss:	
Transmit	0.4 dB maximum
Receive	1.6 dB maximum
Passband Return Loss:	14 dB minimum
Rejection:	
DC-650 MHz	50 dB minimum
850-855.075 MHz:	17 dB minimum
862.10-869 MHz:	17 dB minimum
869-960 MHz:	35 dB minimum
Transmit Passband Power Handling:	
CW	50 watts
Peak Instantaneous	250 watts

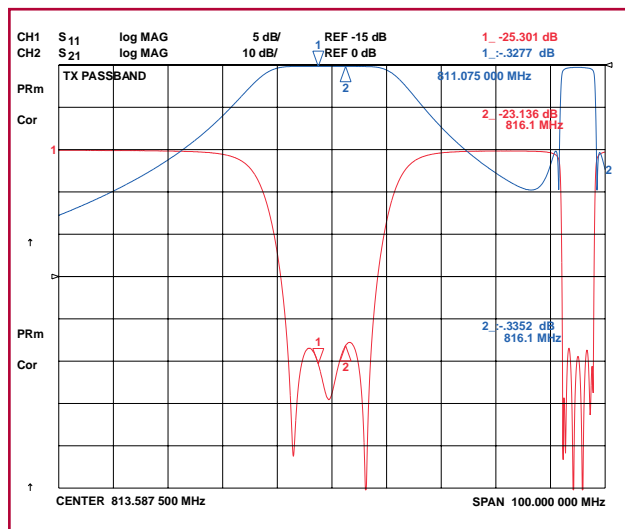
Dimensions:	14.4"D x 8.75"W x 3.25"H (Max.) (excluding connectors) (365.8 x 222.3 x 82.6mm)
Connectors:	TNC-F (x2)
Operating Temperature:	-10 to +60°C
Storage Temperature:	-40 to +85°C
Operating Humidity:	0 to 90%, non condensing



◆ Block Diagram:



Rx Passband



TX Passband

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