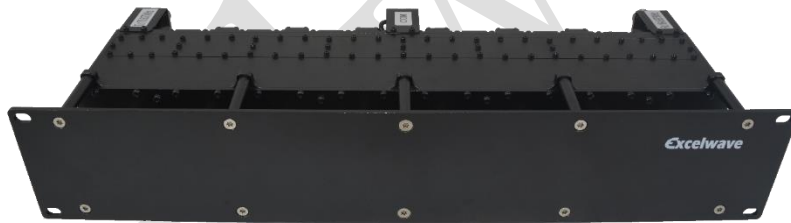


VHF Base Station Duplexer, Field Tunable, 138-174MHz, 4.5-10MHz Duplexing Spacing, Low Insertion Loss, 125W, 2U High 19" EIA Rack Panel Mount

EDX-138-174-4.5-10-125T series provides rack space effective duplexer solutions for VHF base stations. Comes with standard 19" EIA rack mount panel, EDX-138-174-4.5-10-125T is only 2 U high and can handle 125W with full duty cycle. The unit is optimized for low insertion loss and easy tune. Specified with maximum 1dB insertion loss, typical 0.5dB insertion loss can be achieved for most of the duplexing spacing and tuning frequencies. The unit can be easily tuned over the frequency range by adjusting 4 tuning rods for Rx channel and 4 tuning rods for Tx channel.

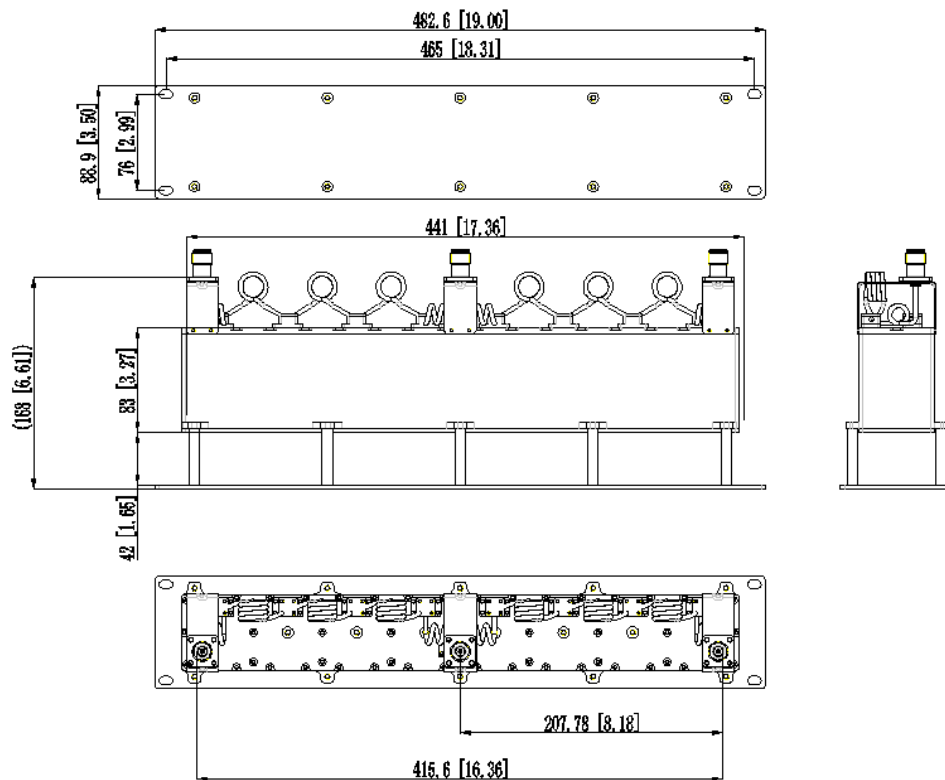
- Low insertion loss, 1dB maximum and 0.5dB typical
- Wide range and easy tune for Tx/Rx frequencies
- 125W power handling
- 2U high 19in rack mount



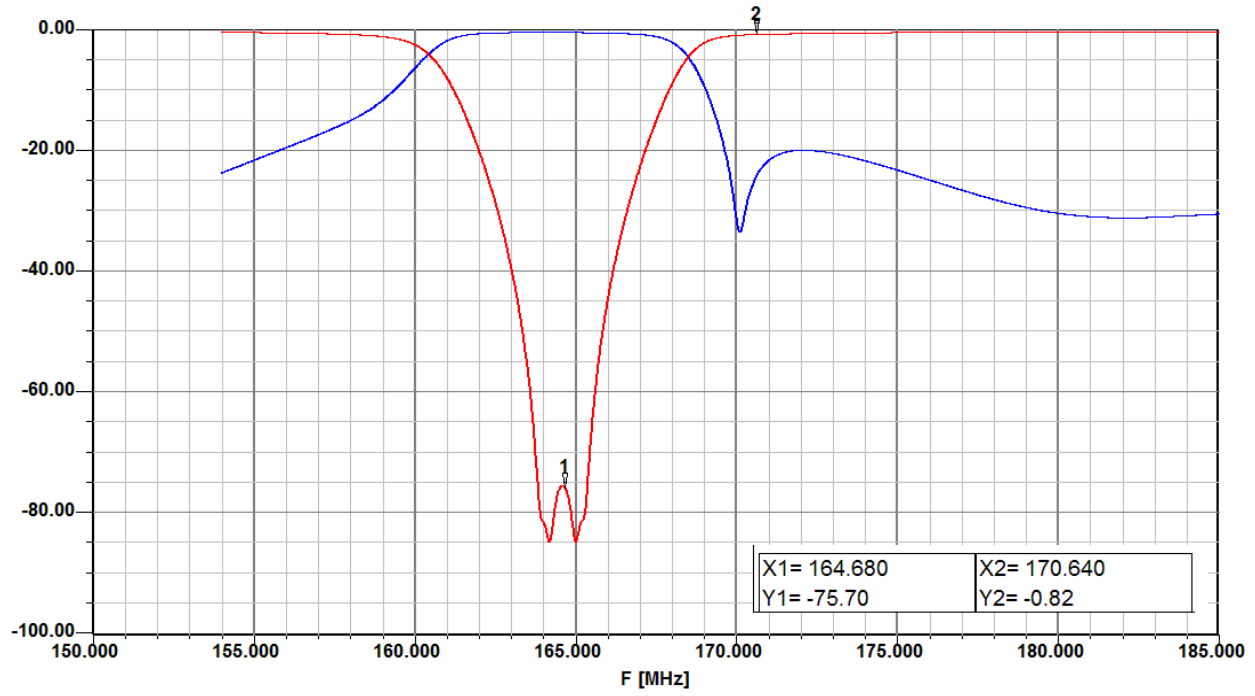
Order Instruction:

- Use model number EDX-150-174-4.5-10-125T for Tx/Rx frequency range 150-174MHz and EDX-138-154-4.5-10-125T for 138-154MHz.
- Specify Tx/Rx frequencies in the order, otherwise the unit will be tuned to the center frequency of the tuning range by default at factory.

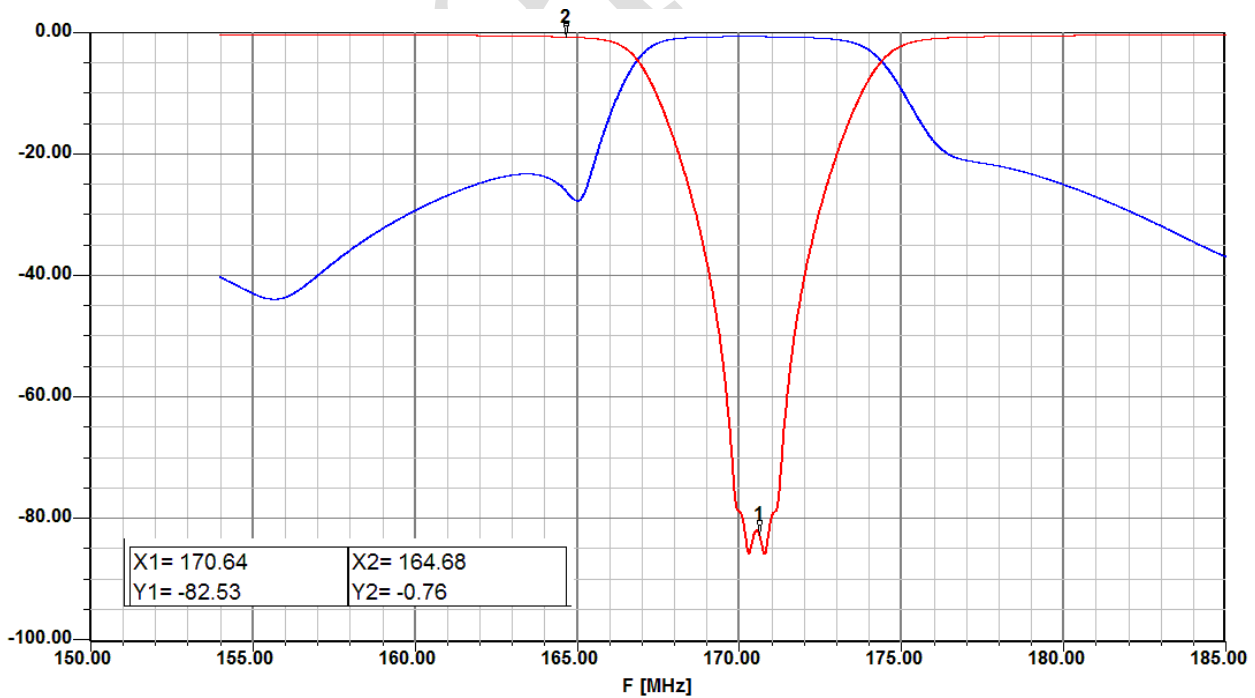
Model Number	EDX-150-174-4.5-10-125T	EDX-138-154-4.5-10-125T
Low Pass Frequency Range	150-174MHz	138-154MHz
High Pass Frequency Range	150-174MHz	138-154MHz
Pass Bandwidth	N/A	N/A
Tx-Rx Spacing	4.5-10MHz	
Insertion Loss	≤1.0dB	
Isolation	≥70dB	
VSWR	1.25:1	
Power Rating	125Watts (CW Max)	
Temperature	-30°C - +60°C	
Impedance	50Ω	
Connectors	N-Female	
Weight	7.73lbs(3.50Kg)	
Dimensions	19.00"×5.44"×3.50" (482.6mm×138.1mm×88.9mm)	
Shipping Weight	11.02lbs(5.00Kg)	
Shipping Dimensions	24.41"×13.78"×13.78" (620mm×350mm×350mm)	
Finish	Black Paint	
Mounting Method	19" EIA Rack Front Panel	



Typical Responses for Tx/Rx= 164.7/170.6MHz, 5.9MHz duplex spacing

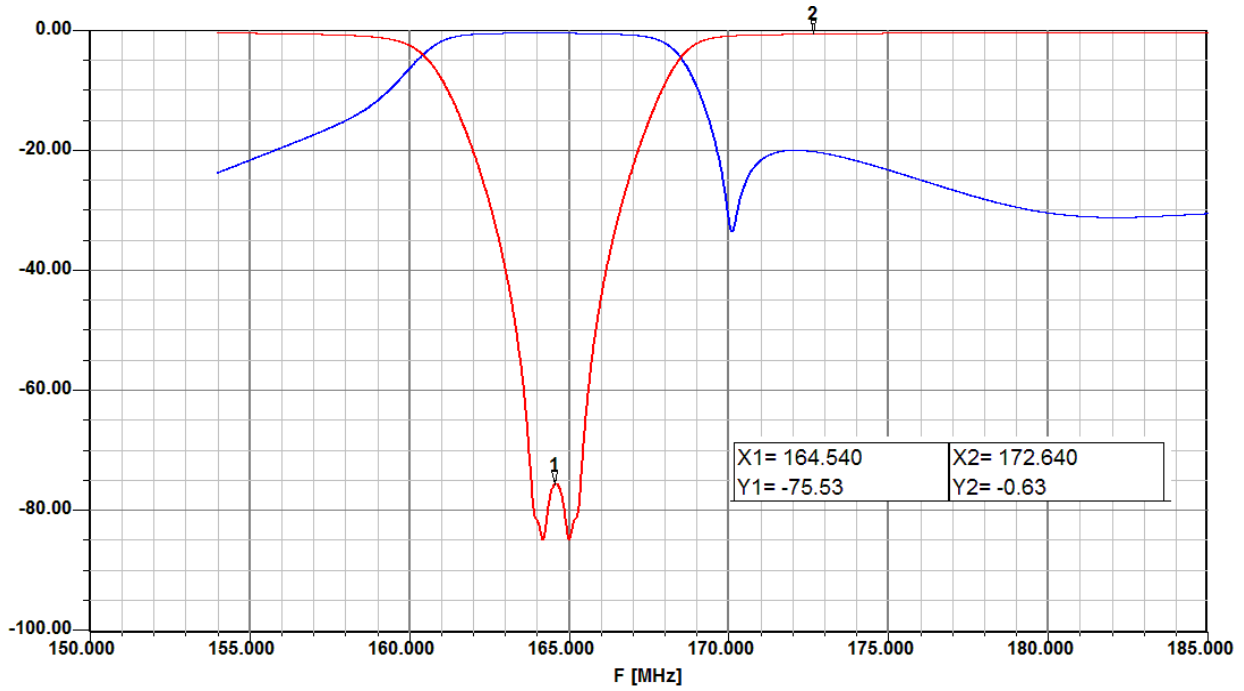


Blue: S11(dB) Red: S12(dB)

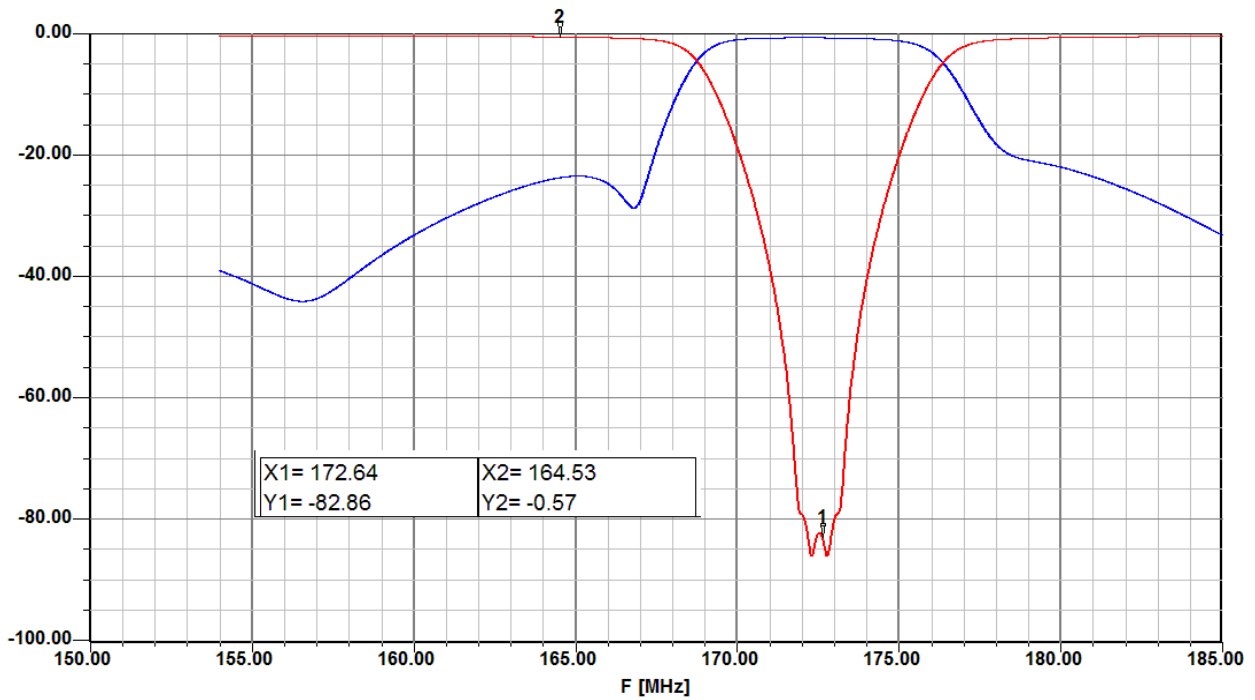


Blue: S33(dB) Red: S13(dB)

Typical Responses for Tx/Rx= 164.5/172.6MHz, 8.1MHz duplex spacing



Blue: S11(dB) Red: S12(dB)



Blue: S33(dB) Red: S13(dB)