



TX RX SYSTEMS TRIPLEXER

The TX RX Systems 36-97-07053-A Triplexer is the latest edition in our product line which is applicable to the Amateur Radio service. The design was based on the D-Star® radio system requirements in the 1.2 to 1.3 GHz band. Essentially a 3 input duplexer, the Triplexer allows combining the voice TX and RX channels onto a single antenna along with the simplex data only channel. This eliminates the need for a separate data channel antenna and feedline.

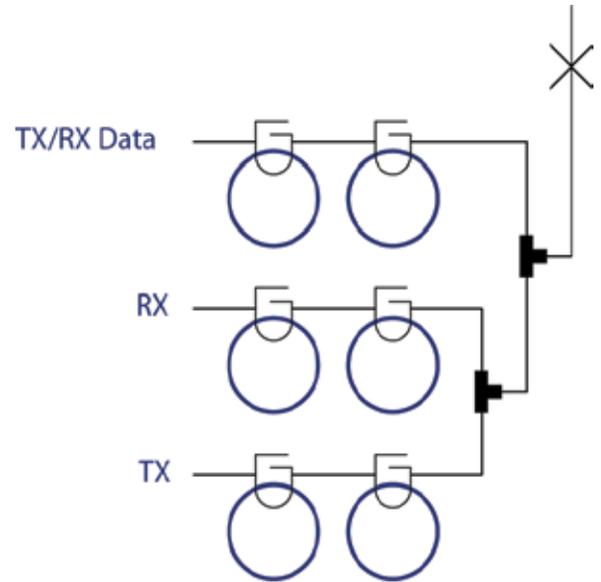
Six VariNotch cavities make up this Triplexer which offers the best cost-to-performance ratio for close spaced applications. Our cavity and filter construction is second-to-none when it comes to the materials used and the processes to manufacture.

Low insertion loss, high isolation between any of the input ports and a compact package make this the ideal solution for 1.2 GHz D-Star® repeater system.



Electrical	
Frequency Range	1.2 - 1.3 GHz
Minimum T-R Separation	12.0 MHz
Tx Insertion Loss	1.3 dB
Rx Insertion Loss	1.3 dB
Tx - RX - Tx/Rx Isolation	>70 dB
Ant - Tx - Rx Isolation	>70 dB
Between Channel Isolation	50 dB
Impedance	50 Ohms
VSWR	1.3:1
Power Rating	100 W

Mechanical	
Operating Temperature Range	-30 to +60°C
Connectors	TX and RX Ports: N, Antenna Port N
Height	10.5"
Width	19"
Depth	8.9"
Mechanical Mounting	19" Reverse Flush Rack Mount
Weight	13 lbs.



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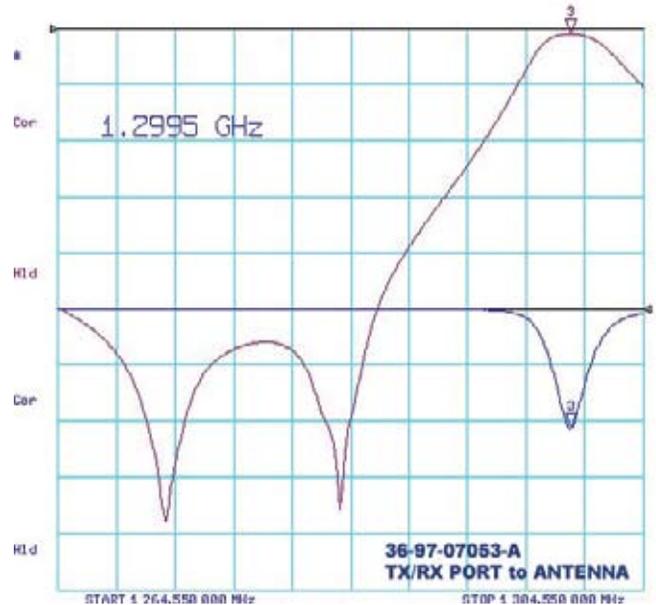
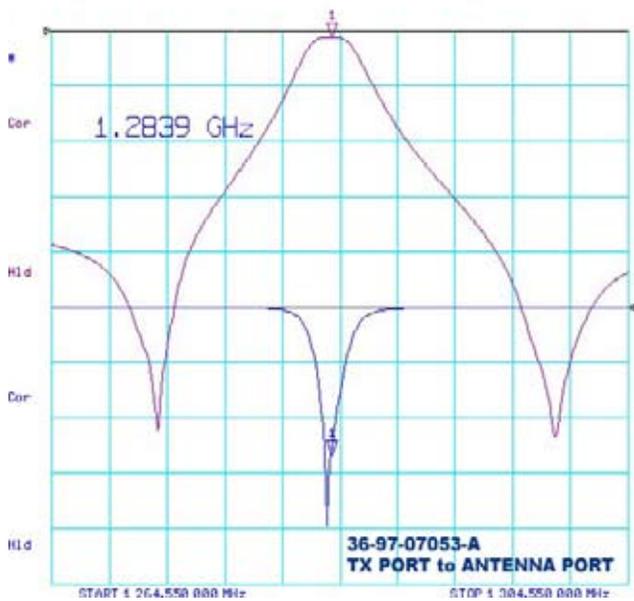
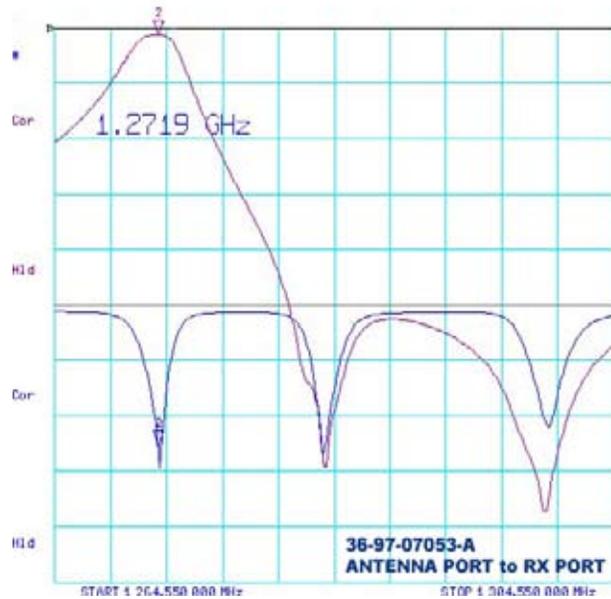


Bird® Technologies Group combines the industry leading brands of both Bird Electronic and TX RX Systems and is a global, innovative supplier of RF products, systems, services and educational solutions. Bird® Technologies Group reserved the right to modify specifications or discontinue any product without notice.

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