



# TX RX SYSTEMS Inc.

A Member of Bird® Technologies Group

CHANNEL PARTNER LOGIN

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## Vari-Notch Circuit 144-174 MHz - Model #: 28-37-02A



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Model #: 28-37-02A

### General Information

TX RX Systems Inc. manufactures a comprehensive line of duplexers with the critical specifications you require to operate a high performance system. Whether your application has a challenging T-R frequency spacing or requires broadband duplexed windows to implement a single antenna system, our Duplexers provide the transmitter and noise suppression characteristics you need while minimizing the loss to you carriers. Vari-Notch Duplexers offer the best cost-to-performance ratio for close-spaced applications. Series Notch® Duplexers utilize a band-reject (notch circuit) design to optimize isolation specifications when necessary. Bandpass Duplexers can be used to combine transmitter combiners and Receiver Multicouplers to a common antenna. Our cavity and filter construction is second-to-none when it comes to the materials used and the processes to manufacture.

### Specifications

#### Electrical

|                                   |             |
|-----------------------------------|-------------|
| Frequency Range :                 | 144-174 MHz |
| Minimum T-R Separation :          | 0.5 MHz     |
| Tx Insertion Loss :               | 1.5 dB      |
| Rx Insertion Loss :               | 1.5 dB      |
| Transmitter Noise Suppression :   | 85 dB       |
| Transmitter Carrier Suppression : | 85 dB       |
| Between Channel Isolation :       | 50 dB       |
| Impedance :                       | 50 Ohms     |
| VSWR :                            | 1.3:1       |
| Power Rating :                    | 400 W       |

#### Mechanical

|                       |                                     |
|-----------------------|-------------------------------------|
| Temperature Range :   | -40°C to +80°C                      |
| Connectors :          | TX and RX Ports: N, Antenna Port: N |
| Height :              | 33"                                 |
| Width :               | 19"                                 |
| Depth :               | ±7.5"                               |
| Mechanical Mounting : | 19" Rack Mount                      |
| Weight :              | 50 lbs.                             |

### Downloads

#### Brochure

[132-250 MHz Duplexer Brochure \(2641Kb\)](#)

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