Model WP-6943 is a broadband bandpass duplexer designed to couple a 300 watt (max) transmitter operating in the 929 - 932 MHz band and a receiver operating in the 901 - 902 MHz band into a single antenna. It consists of four 4" square aperture-coupled bandpass cavities in each section, all mounted on an 8 3/4" x 19" panel. All connectors are Type N female.

**Frequency Range:**
- Tx Side: 929 - 932 MHz
- Rx Side: 901 - 902 MHz

**Insertion Loss:**
- Tx Side: 0.75 dB
- Rx Side: 1.0 dB

**Attenuation:**
- at Tx Freq: 95 dB
- at Rx Freq: 90 dB

**Maximum VSWR (Ref 50 ohms):** 1.2 to 1

**Maximum Power Input vs. Ambient Temperature:**
- at -30° to +25° C: 300 watts
- at +50° C: 200 watts
- at +75° C: 100 watts

**Cavity Electrical Length:** 3/4 wavelength

**Materials:**
- Outer Conductor and End Plates: Aluminum
- Center Conductor: Copper/Brass
- Tuning Rod: Invar

**Dimensions (H x W x D):** 8 3/8" x 19" x 16"

**Connector Terminations:** Type N Female

**Net Weight:** 43 lbs.

**Shipping Weight:** 56 lbs.