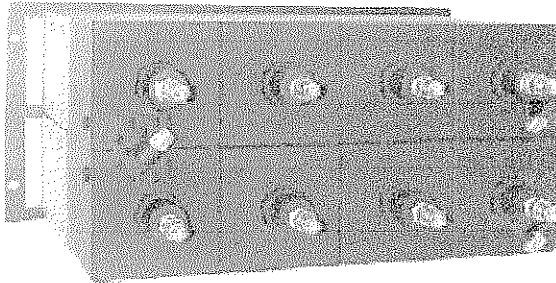
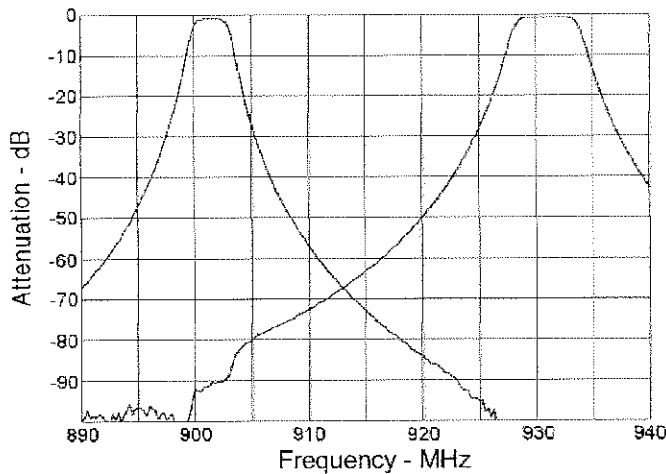


# BANDPASS DUPLEXER

# WP-6943



900 - 960 MHz  
POWER: TO 300 WATTS



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.

## WP- 6943

### 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 3/4" x 19" x 16"

Connector Terminations ..... Type N Female

Net Weight ..... 43 lbs.

Shipping Weight ..... 56 lbs.