TELEWAVE, INC.®

30 - 40 MHz

TPRD-0354

PASS / REJECT DUPLEXER

MINIMUM SPACING: 600 KHz

Power: To 350 Watts

The Telewave TPRD-0354 allows the simultaneous operation of a transmitter and receiver into a common antenna. This duplexer features minimum insertion loss, and maximum isolation between transmitter and receiver. The Pass-Reject design gives much better performance than an equivalent band-pass duplexer.

The superior construction of Telewave cavity duplexers allows better rejection of transmitter spurious radiation, providing greater receiver protection. Selectivity and insertion loss are fully adjustable by rotating the calibrated connector loops.

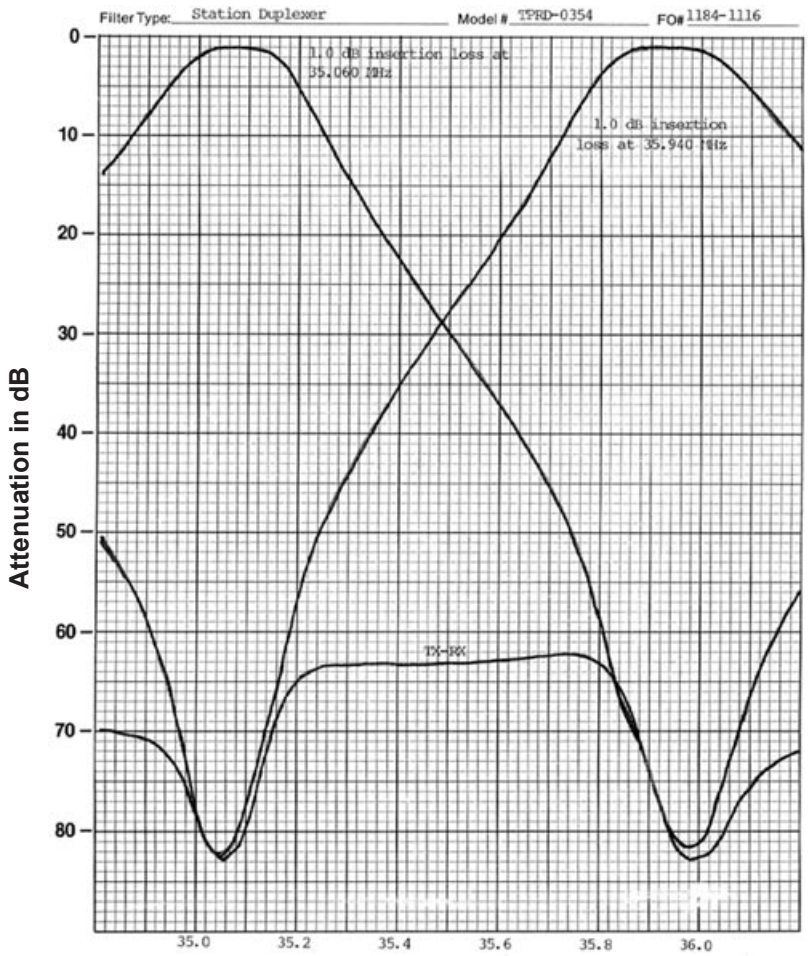
Telewave cavities are manufactured with 1/4” aluminum top plates, which are fully welded to the aluminum outer conductor. Silver plated tuners, berylium copper finger stock contactors, and threaded Invar tuning rods assure maximum temperature stability, higher “Q”, and years of trouble free operation.

TELEWAVE, INC. 660 Giguere Court San Jose, CA 95133
Toll Free: **1-800-331-3396** Direct: 408-929-4400 Fax: 408-929-4080
http://www.telewave.com **Email: sales@telewave.com**

All specifications subject to change without notice

TPRD-0354

TYPICAL BANDPASS - BANDREJECT CAVITY RESPONSE CURVES



Insertion Loss and Selectivity are Adjustable.

ELECTRICAL:

Tuning Range	30 - 40 MHz
Freq. Separation	600 KHz (min)
Power Input	350 W (max)
Insertion Loss:	1.0dB (TX to Ant / RX to Ant)
RX Isolation	80dB at ±600 KHz from TX
TX Noise Suppression	80dB at ±600 KHz from TX
VSWR	1.5:1 (max)
Temp. Range	-30° C to +60° C

MECHANICAL:

Number of Cavities	4
Cavity Diameter	5”
Dimensions (typ.)	88” H x 19” W x 11” D
Dimensions (max)	97” H x 19” W x 11” D
Connectors	N female or UHF
Finish	Acrylic enamel
Net Weight	150 lbs

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