

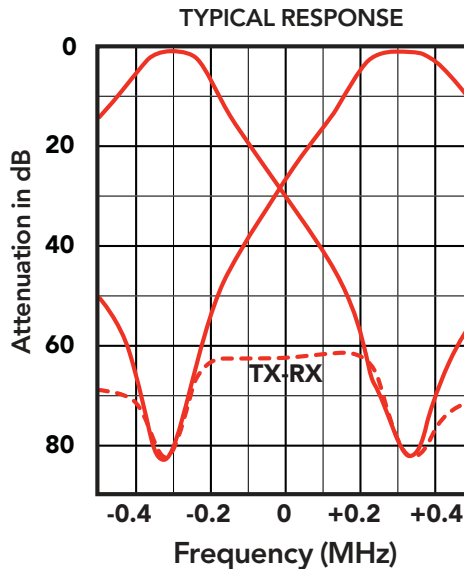
TPRD-0354, 0454 PASS / REJECT DUPLEXER

The Telewave TPRD-0354 and TPRD-0454 allow the simultaneous operation of a transmitter and receiver into a common antenna. These duplexers feature minimum insertion loss, and maximum isolation between transmitter and receiver. The Pass-Reject design combines a bandpass response with a tunable notch at the RX frequency for improved performance at close spacing.

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, beryllium copper finger stock contactors, and

threaded Invar tuning rods assure maximum temperature stability, higher "Q", and years of trouble free operation.



ELECTRICAL SPECIFICATIONS	TPRD-0354	TPRD-0454
Frequency coverage / tuning range	30-40 MHz / ± 2.5 MHz	40-50 MHz / ± 2.5 MHz
Frequency separation (min)		600 KHz
Maximum input power		350 watts
Insertion loss		1.0 dB (TX / RX to ant.)
RX isolation / TX noise suppression		80 dB at ±600 KHz
VSWR (max)		1.5:1
Temperature range		30°C to +60°C
MECHANICAL SPECIFICATIONS		
Dimensions (HWD) in. (cm)	88 x 19 x 11 (224 x 48 x 28)	72 x 19 x 11 (183 x 48 x 28)
Tuners fully extended in. (cm)	97 x 19 x 11 (246 x 48 x 28)	81 x 19 x 11 (206 x 48 x 28)
Cavities		(4) - 5"
Mounting		19" Rack or wall mount
Connectors		N or UHF female (opt.)
Finish		Gray acrylic enamel
Net weight lb. (kg)	65 (29.5)	51 (23.2)