

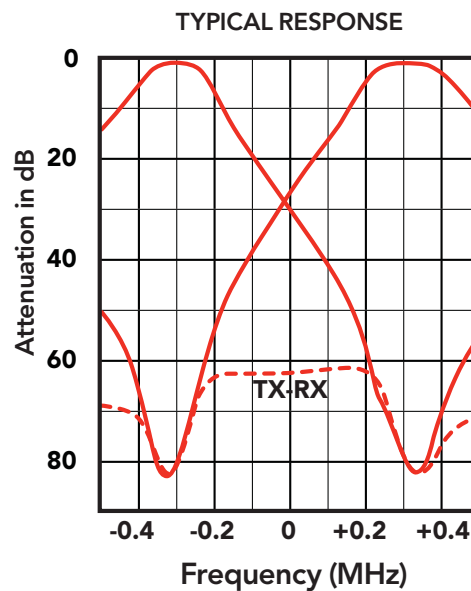
TPRD-0354, 0454 PASS / REJECT DUPLEXER

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 11 x 11 (224 x 28 x 28)	72 x 11 x 11 (183 x 28 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)