

TPRD-0754

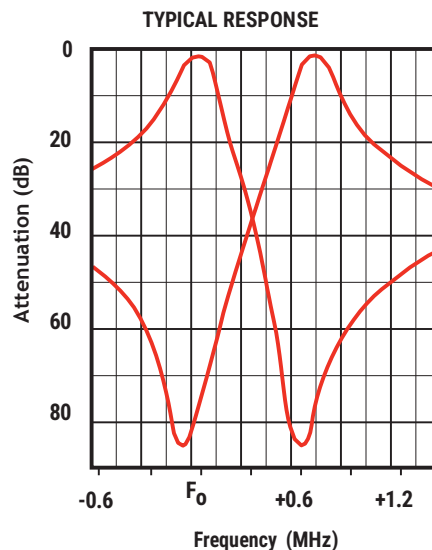
PASS / REJECT DUPLEXER

The Telewave.io TPRD-0754 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 for close spacing than an equivalent bandpass duplexer.

The superior construction of Telewave.io 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.io 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	
Frequency coverage / tuning range	66-88 MHz
Frequency separation (min)	600 KHz
Maximum input power	350 watts
Insertion loss	1.2 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)	47 x 19 x 11 (119 x 48 x 28)
Tuners fully extended in. (cm)	54 x 19 x 11 (137 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)	40 (18.2)