

TPRD-1484, 1486 PASS-REJECT BASE STATION DUPLEXERS

The Telewave TPRD-1484 and TPRD-1486 duplexers allow simultaneous operation of a transmitter and receiver into a common antenna. These Pass-Reject duplexers are ideal for use in systems requiring maximum isolation, with close frequency spacing down to 300 KHz.

The TPRD-1484 duplexer has two, and TPRD-1486 duplexer has three pass-reject cavities each in the transmitter and receiver sections. Selectivity and insertion loss may be adjusted trouble-free operation. by rotating the calibrated connector loops. (See graphs for typical response curves).

Tuners fully extended in.

Telewave duplexers have 1/4-inch aluminum top plates which are fully welded to the aluminum outer conductor. As a result of their superior construction, Telewave 8" cavity duplexers achieve greater rejection of transmitter noise and spurious radiation, providing excellent receiver protection.

Silver-plated tuners, beryllium copper finger stock contactors, and threaded Invar rods assure maximum temperature stability, higher "Q", and many years of

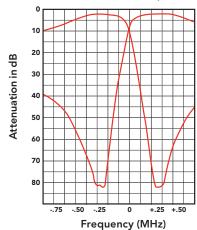




ELECTRICAL SPECIFICATIONS	TPRD-1484	TPRD-1486	
Tuning range	118-148 MHz		
Frequency separation (min)	500 KHz	300 KHz	
Maximum input power	300 watts		
Insertion loss TX / RX to ant.	1.5 dB	2.2 dB	
VSWR (max)	1.5:1		
Temperature range	-30°C to +70°C		
RX isolation	80 dB at ±500 KHz	100 dB at ±400 KHz	
TX noise suppression	80 dB at ±500 KHz	100 dB at ±400 KHz	
MECHANICAL SPECIFICATIONS			

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TX noise suppression	80 dB at ±500 KHz	100 dB at ±400 KHz	
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Cavities	(4) - 8"	(6) - 8"	
Mounting	19" Rack or wall mount		
Connectors	N or UHF female (opt.)		
Finish	Gray acrylic enamel		
Net weight lb. (kg)	37 (16.8)	51 (23.1)	
Dimensions (HWD) in. (cm)	30 x 19 x 17 (76 x 48 x 43)	30 x 19 x 25 (76 x 48 x 63.5)	





 $35 \times 19 \times 17$

 $(89 \times 48 \times 43)$

35 x 19 x 25

 $(59 \times 48 \times 63.5)$