TELEWAVE, INC.®

148 - 174 MHz

TPRD-1544C, 1544CM

COMPACT PASS / REJECT DUPLEXER

The TPRD-1544C and 1544CM produce high performance in a compact design for the 148-174 MHz VHF band. These duplexers are less than 30% of the size of earlier models, and deliver greater isolation and power handling.

The TPRD-1544C and CM produce 70 dB isolation at 600 KHz, with 350 watt power handling, and insertion loss is 1.5 dB or less. Each duplexer fits a standard 19-inch rack, with rack height of 5.25" and 4" respectively. The TPRD-1544CM is supplied with adjustable mounting tabs for installation in a cabinet.

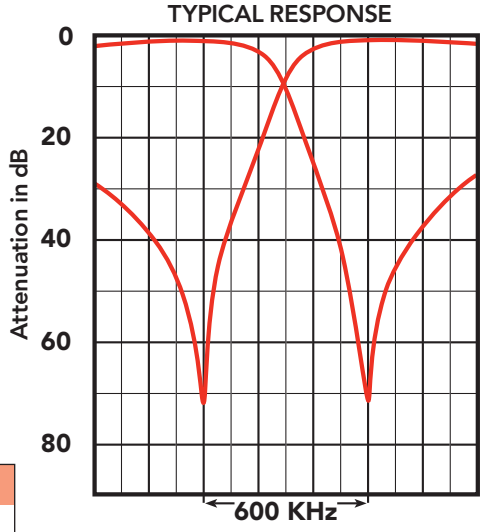


TPRD-1544C



TPRD-1544CM

TYPICAL RESPONSE



ELECTRICAL SPECIFICATIONS		
Tuning range	148-174 MHz	
Frequency separation (min)	600 KHz	
Maximum input power	350 watts	
Insertion loss TX / RX to ant.	1.5 dB	
TX noise suppression at RX (typ)	70 dB at 600 KHz	
RX isolation at TX (typ)	70 dB at 600 KHz	
VSWR (max)	1.5:1	
Temperature range	-30°C to +70°C	
Number of cavities	(4) - 4"	
MECHANICAL SPECIFICATIONS	**1544C**	**1544CM**
Mounting	19" Rack	19" Cabinet
Dimensions (HWD) in. (cm) (tuning rods fully extended)	5.25 x 19 x 15 (38.7 x 48 x 38.1)	4 x 19 x 15 (10.2 x 48 x 38.1)
Connectors	N or UHF female (opt.)	
Finish	Acrylic enamel	
Net weight lb. (kg)	18.25 (8.3)	