

## **TPCD-8928 COMBLINE DUPLEXER**



The Telewave TPCD-8928 Comblin Duplexer is specially designed for 800 MHz AMPS Cellular master antenna systems. Maximum transmitter to receiver protection is achieved across the full 25 MHz standard and extended Base-Mobile bands.

The TPCD-8928 duplexer consists of two comblin filters mounted in a 5¼" EIA rack space with N Female input and 7-16 DIN output connectors. It features sharp-skirt

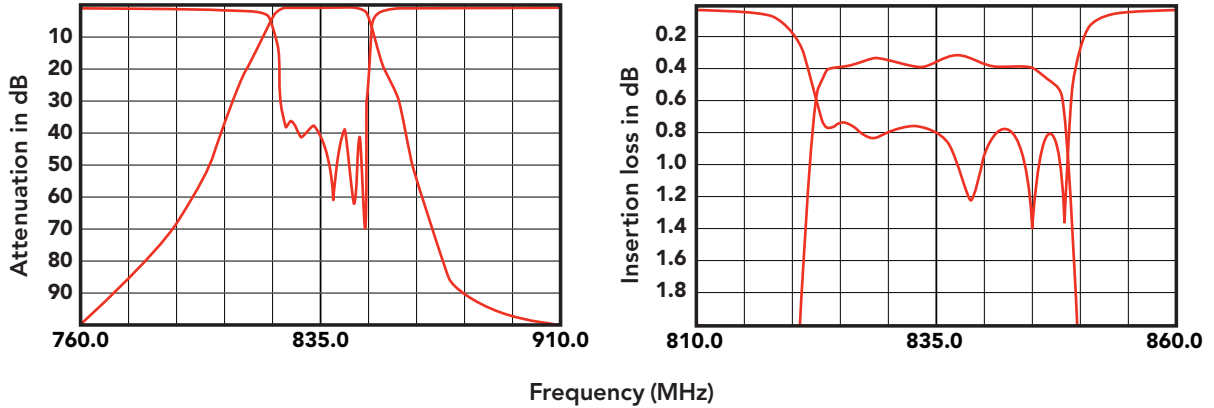
selectivity, with minimum insertion loss.

Each unit is tuned to customer specified frequency bands for optimum performance. No further adjustment is required.

Telewave Comblin Duplexers offer the ultimate performance in cellular systems, providing protection against receiver desensitization and interference at co-located sites.

# TPCD-8928

TYPICAL RESPONSE CURVES



ELECTRICAL SPECIFICATIONS		
Frequency ranges	824-849, 869-894 MHz	
Frequency separation (min)	45 MHz	
Maximum input power	350 watts	
TX/RX pass bandwidth	25 MHz	
Insertion loss at pass bandwidth:	TX (high frequency)	0.5 dB typ. / 1.0 dB max
	RX (low frequency)	0.5 dB typ. / 1.0 dB max
TX attenuation at RX band (min)	80 dB	
RX attenuation at TX band (min)	80 dB	
TX to RX attenuation (min)	70 dB	
VSWR, ref. to 50 ohms (max)	1.5:1	
Temperature range	-30°C to +70°C	
MECHANICAL SPECIFICATIONS		
Dimensions (HWD) in. (cm)	5.25 x 19 x 18 (13 x 48 x 12)	
Mounting	19" Panel	
Antenna output connectors	7-16 DIN	
TX, RX input connectors	N female	
Finish	Clear alodine	
Net weight lb. (kg) (kg)	17 (7.7)	
Shipping weight lb. (kg) (kg)	2 (0.9)	