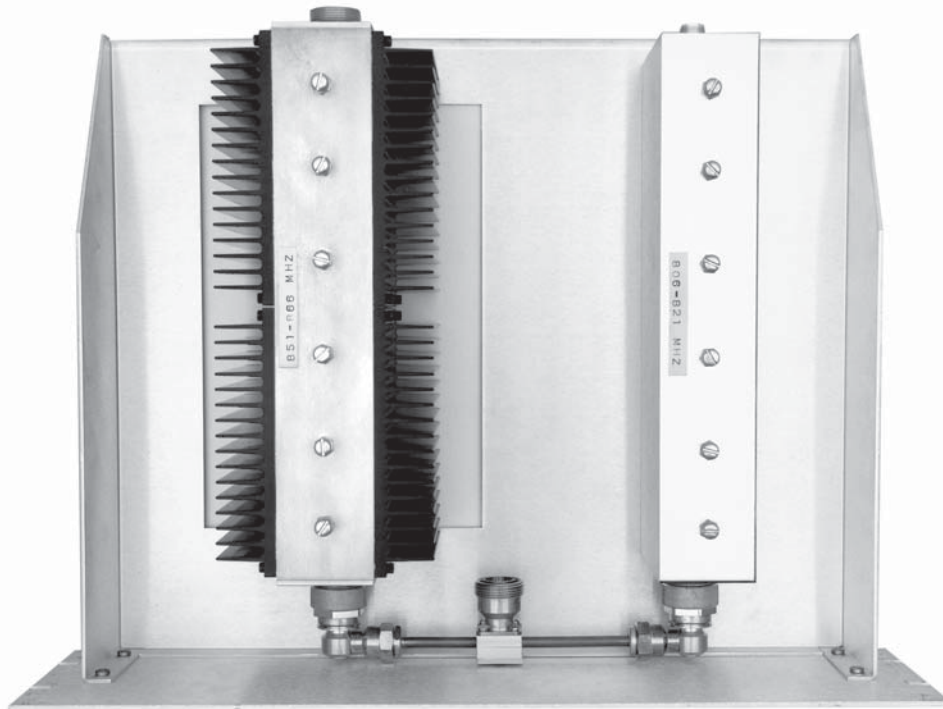


TPCD-8626HP

HIGH POWER COMBLINE DUPLEXER



The Telewave TPCD-8626HP High Power Comblin Duplexer is specially designed for 800 MHz master antenna systems. This duplexer allows customers to utilize both trunking and conventional frequency assignments, and ensures rejection of internal noise sources.

The TPCD-8626HP duplexer consists of two combline filters mounted in a 5.25" EIA rack space with 7-16 DIN connectors on both transmitter and antenna ports. It features sharp-skirt selectivity, with minimum insertion loss. (See next page for typical response curves.)

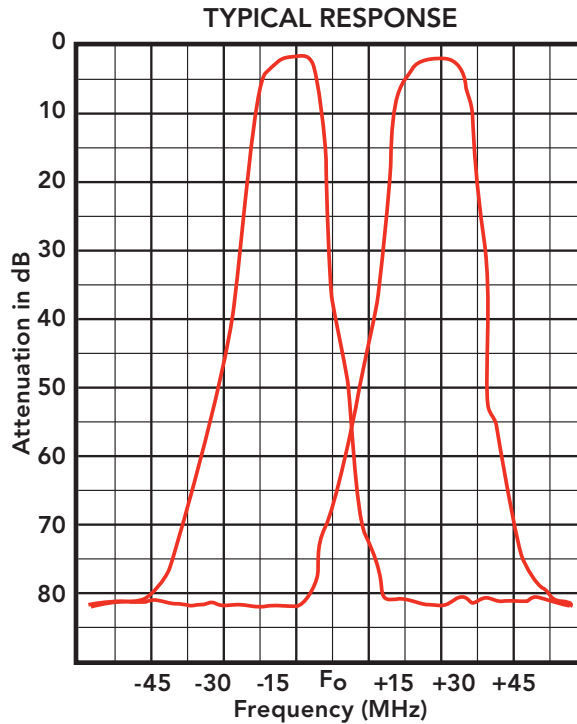
Maximum transmitter to receiver protection is achieved across the full 15 MHz standard TX and RX bands.

10, 20, and 26 MHz bandwidths are available for Cellular and GSM.

All units are tuned to customer-specified frequency bands for optimum performance. No further adjustment is required.

Telewave High Power Comblin Duplexers offer the ultimate performance in trunking and conventional systems, providing protection against receiver desensitization and interference at congested sites.

TPCD-8626HP



| RF SPECIFICATIONS | |
|--|-----------------------------------|
| Frequency range | 806-960 MHz |
| Frequency separation (min) | 45 MHz |
| Maximum input power | 500 watts |
| TX/RX pass bandwidth | 15 MHz std. (10, 20,26 MHz opt.) |
| Insertion loss at pass bandwidth (TX and RX) | 0.4 dB typ. / 0.75 dB max |
| TX attenuation at RX band (typ) | 85 dB |
| RX attenuation at TX band (typ) | 85 dB |
| TX to RX attenuation (min) | 85 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 16 (13.3 x 48 x 40.6) |
| Mounting | 19" Panel |
| Connectors | Antenna, TX input RX Output |
| | 7-16 DIN N Female |
| Panel finish | Clear alodine |
| Cavity finish | Gray enamel |
| Net weight lb. (kg) | 15 (6.8) |
| Shipping weight lb. (kg) | 19.5 (8.9) |