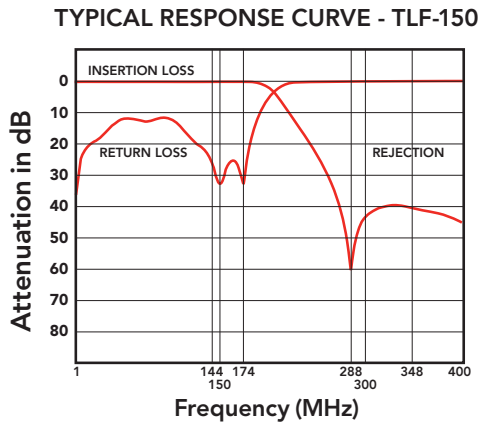


## TLF-50, -90, -90H, 150, 450, 760, 860 LOWPASS FILTERS

Telewave Lowpass Filters eliminate harmonics, spurs, and intermodulation products that may occur above the fundamental frequency of a transmitter. These devices feature extremely low insertion loss, and are designed to be installed in the transmission line continuously. The standard connector configuration is N Female to N Male. Other combinations are available, including 7-16 DIN (extra cost).



TLF-50



TLF-90H



| ELECTRICAL SPECS.      | TLF-50   | TLF-90 | TLF-90H           | TLF-150 | TLF-450          | TLF-760, 860     |
|------------------------|--|--------|-------------------|---------|------------------|------------------|
| Frequency range (MHz)  | 40-54  | 88-108 | 88-108            | 144-174 | 406-512          | 763-824, 806-960 |
| Impedance (nom.)       | 50 ohms  |        |                   |         |                  |                  |
| VSWR (max)             | 1.3:1  |        |                   |         |                  |                  |
| Power (max)            | 200 W  | 200 W  | 1000 W            | 400 W   | 200 W            | 200 W            |
| Insertion loss         | 0.15 dB typ. / 0.25 dB max   |        |                   |         |                  |                  |
| Rejection at 2Fc (typ) | 30 dB  | 40 dB  | 35 dB             | 40 dB   | 50 dB            | 45 dB            |
| MECHANICAL SPECS.      | TLF-50   | TLF-90 | TLF-90H           | TLF-150 | TLF-450          | TLF-760, 860     |
| Dimensions (HWL) in.   | 1.25 x 1.5 x 4   |        | 1.625 x 2.5 x 4.5 |         | 1.25 x 1.5 x 4   |                  |
| Dimensions (HWL) cm    | 3.2 x 3.8 x 10.2   |        | 4.1 x 6.4 x 11.4  |         | 3.2 x 3.8 x 10.2 |                  |
| Weight lb. (kg)        | 0.5 (0.23)   |        | 1 (0.45)          |         | 0.5 (0.23)       |                  |
| Connectors             | Standard configuration is N-F to N-M for inline use. Any combination of N, UHF, BNC, or 7-16 DIN male or female may be specified. (7-16 DIN is additional cost.) |        |                   |         |                  |                  |