

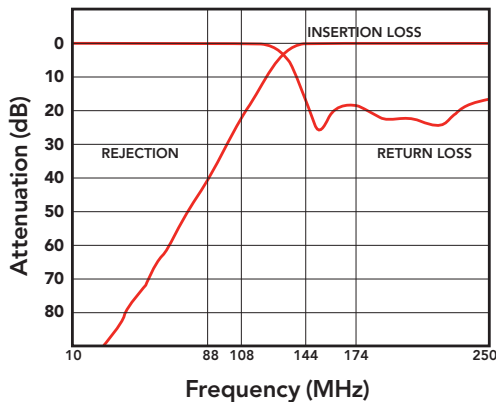
## THF-150, 450, 760, 860 HIGHPASS FILTERS

Telewave Highpass Filters eliminate spurs and noise that may occur below the fundamental frequency of a transmitter. They are also used to protect receivers from nearby high power transmitters. 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).



THF-150

TYPICAL RESPONSE CURVE - THF-150



| ELECTRICAL SPECIFICATIONS | THF-150  | THF-450     | THF-760     | THF-860     |
|---------------------------|--|-------------|-------------|-------------|
| Frequency range           | 144-174 MHz  | 450-470 MHz | 763-869 MHz | 850-870 MHz |
| Impedance (nom.)          | 50 ohms  |             |             |             |
| VSWR (max)                | 1.3:1  |             |             |             |
| Power (typ.)              | 25 watts continuous / 50 watts intermittent - Contact Telewave for higher power  |             |             |             |
| Insertion loss            | 0.15 dB typ. / 0.25 dB max   |             |             |             |
| Rejection (typ) at 1/2 Fc | 50 dB  | 40 dB       | 10 dB       | 10 dB       |
| MECHANICAL SPECIFICATIONS | THF-150 / 450 / 760 / 860  |             |             |             |
| Dimensions (HWL) in.      | 1.25 x 1.5 x 4   |             |             |             |
| Dimensions (HWL) cm       | 3.2 x 3.8 x 10.2   |             |             |             |
| Weight lb. (kg)           | 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.) |             |             |             |