
PROGRESSIVE CONCEPTS

Model LPF7002

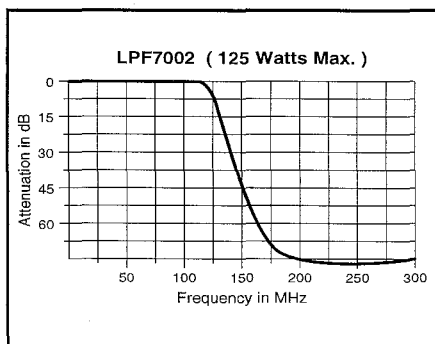
FM LOW PASS FILTER INSTRUCTIONS

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Operation

This low pass filter is designed to reduce and in most cases eliminate television interference caused by harmonic energy created within FM transmitters.

The filter is bi-directional meaning it can be installed in either direction. The model LPF7002 exhibits an attenuation to frequencies above 120 MHz as shown in the response curve below.



The input signal for the model LPF7002 should not exceed 125 watts. Use on higher powers can permanently damage the filter and will void the warranty.

Installation

The filter should be installed as close to the output of the transmitter as is practical using a dual male connector or a short piece of coax with the appropriate connectors on either end. For filters with SO-239 type connectors a dual male adapter is available from Radio Shack (part number 278-192).

For filters with N type connectors a dual N male adapter is available from Progressive Concepts (part number PE9007).

Cable TV

If your transmitter is interfering with a cable TV system the problem may not be solved by the use of a low pass filter. Some cable companies which do not carry FM channels on the system may place TV channels in the FM broadcast band. If this is the case, your fundamental frequency (carrier) may be causing the interference and the filter will be ineffective.