PROGRESSIVE CONCEPTS

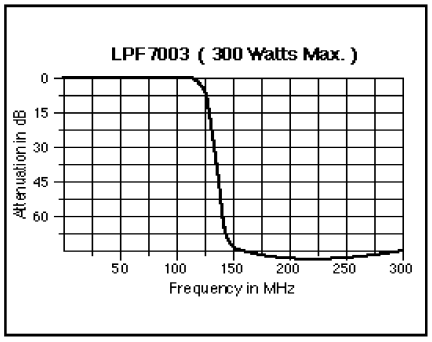
Model LPF7003

FM LOW PASS FILTER INSTRUCTIONS

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 LPF7003 exhibits an attenuation to frequencies above 120 MHz as shown in the response curve below.



The input signal for the model LPF7003 should NOT exceed 300 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 short piece (approximately 12") of Belden #9913 coax with male connectors on either end.

CAUTION: THE FILTER MAY GET HOT DURING OPERATION, this is an indication that it is doing its job by dissipating harmonic energy in the form of heat.

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 their 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. Contact your local cable company for more information. In some cases the cable company can solve the problem by replacing old or worn out cable.

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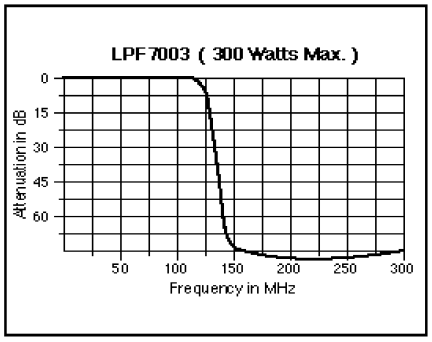

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