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Installation/Instruction Sheet
Low Pass Filters
IS-0154 Rev. O

1. Introduction

OnQ offers two (2) low pass filters, P/N 364456-02 (5-560MHz) and 364456-03 (5-750MHz). The 364456-02 allows channels 2 through 79 to pass and blocks channels 80 and higher (analog cable with 6MHz channel bandwidths). 364456-03 allows channels 2 through 116 to pass and blocks channel 117 and higher (analog cable with 6 MHz channel bandwidths). These filters are used to create space when there are no available channels to modulate on. *Figure 1* shows an example of a low pass filter.

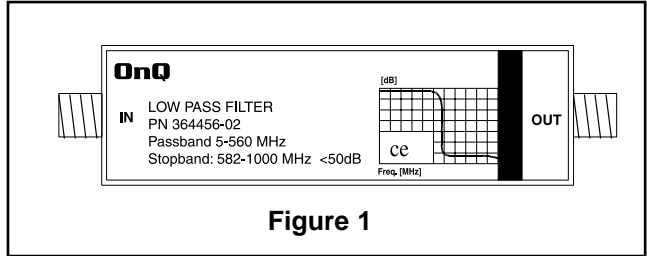


Figure 1

2. Description

OnQ Low Pass Filters are an in-line type filter. The filter has an “F” style port for the cable in and cable out. The filter has a rugged die cast case, which is solder sealed for shielding. The case measures 4 1/4” long by 1” wide by 5/8” deep.

3. Installation

- A. Determine where the filter is to be used. Refer to *Figure 2* for the correct insertion point and connection.
- B. Use quality 75 ohm jumper cables to connect the filter into the application. If you are making the jumper cables, use RG6 cable and appropriate connectors and tools.

Note: *Most video problems are associated with cable connections. Proper care must be taken in preparing and connecting the cables.*

Note: *The filter should be installed before the video engine or amplifier.*

Note pertaining to blocked channels: *As mentioned above, the OnQ low pass filters block channels 80 and higher and 117 and higher respectively at 6MHz channel bandwidths. Digital cable usually occupies a 2 MHz channel bandwidth, therefore, the 80 and higher filter (5-560MHz) could actually be blocking channels 240 and higher. It is recommended that you find out what your cable providers frequency/channel assignments are or insert a filter to see what is lost.*

Note: If set top boxes are employed in your installation, there might be a situation to “work around” this device. OnQ has a channel 2-4 Notch Filter (P/N 364456-01) for this purpose. Please refer to the OnQ catalog, website (www.onqtech.com) or technical support for more information pertaining to these filters or for installation or application information/notes.

OnQ Technical Support can be reached by phone at 1-800-321-2343, option 2 or by email at tech.support@onqtech.com.

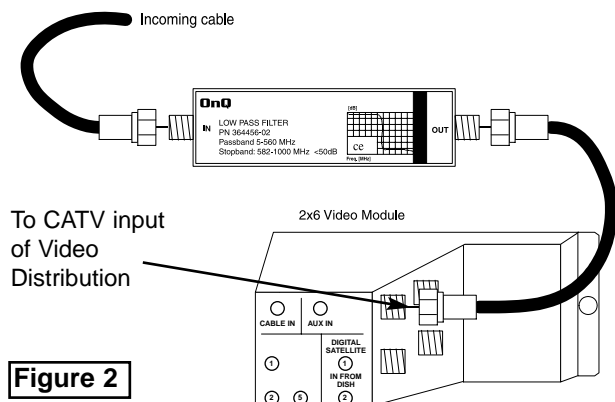


Figure 2