

## BP7-ch.UHC (Cavity type)

### Description

**Model BP7-ch.UHC** is a high performance cavity type, UHF/CATV Hyperband, single channel bandpass filter. It is available with passband for 4.0 to 8 MHz\*, at center frequency between 460 to 850 Mhz. It is a 4 cavity filter, with options to increase skirt selectivity by increasing number of cavities (up to 6), or, include side traps. BP7-UHC can be factory re-channelized, depending on channel, from 460 to 600 Mhz, 570 to 720 Mhz, or, 720 to 850 Mhz.

Standard Passband 6 MHz ATSC or 8 MHz PAL

Insertion Loss: 1.5 to 2.0 dB; Flatness: 0.5 dB

Return Loss: >16 dB

Rejection: 25 dB at +/- 8 Mhz from bandedge; 40 dB +/-14 Mhz from bandedge

Operating Bandwidth: 0 MHz to 1 Ghz

Power Handling: 10 Watts max

Connectors: F-female, 75 ohms; Options: 50 ohms BNC or N

\* Special Order Passband up to 18 Mhz

### General Ordering Information

Model Number: BP7-ch.# UHC

Specify channel number ## or Passband Frequency,

Connectors and impedance

Ex 1: BP7-CH.30 UHC - channel 30 (6 Mhz BW), F 75 ohms

Ex 2: BP7-CH.668-674 UHC B50 - ch.47, BNC 50 ohms ports

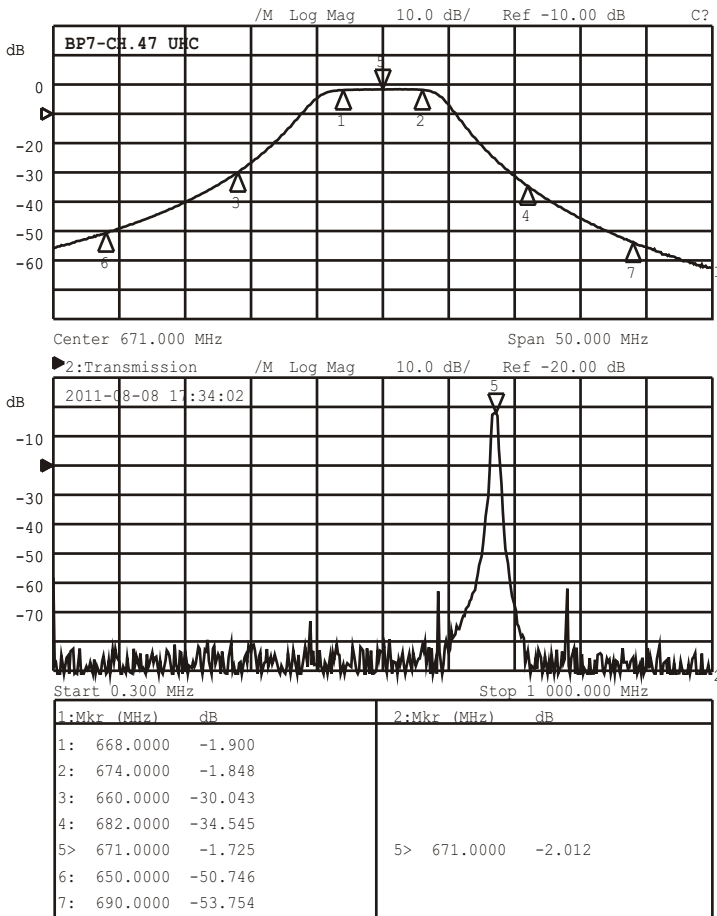


**BP7-ch.# UHC Rack Mount**  
Dim: 1.75" x 19" x 6.5" (1 RU)

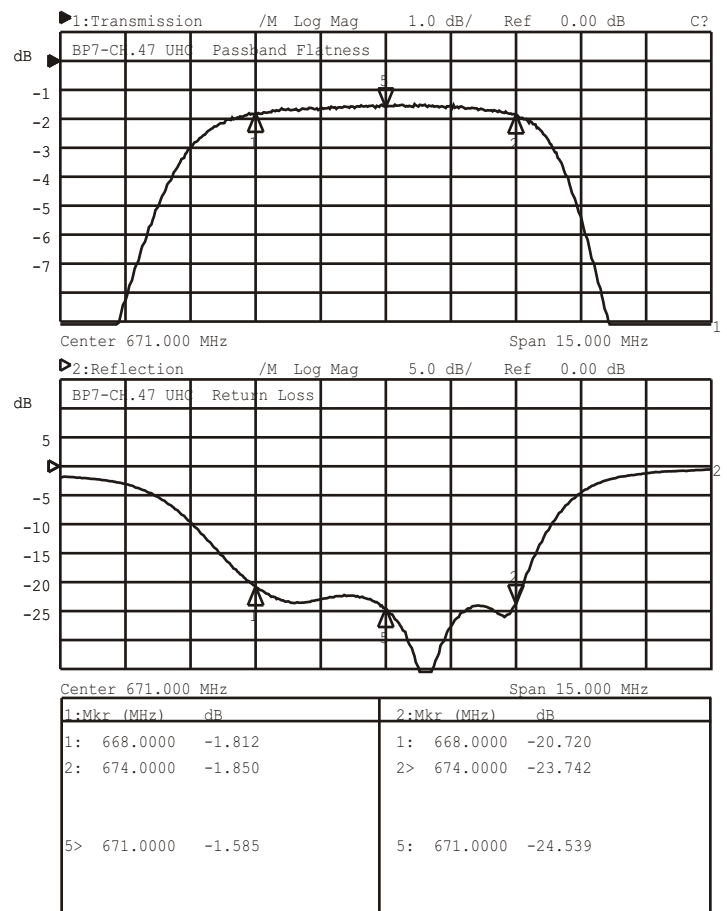


**BP7-ch.# UHC Wall Mount**  
Dim: 6.5" x 17" x 1.75"

**Graph 1: Passband/Skirt, Out-of -band rejection**

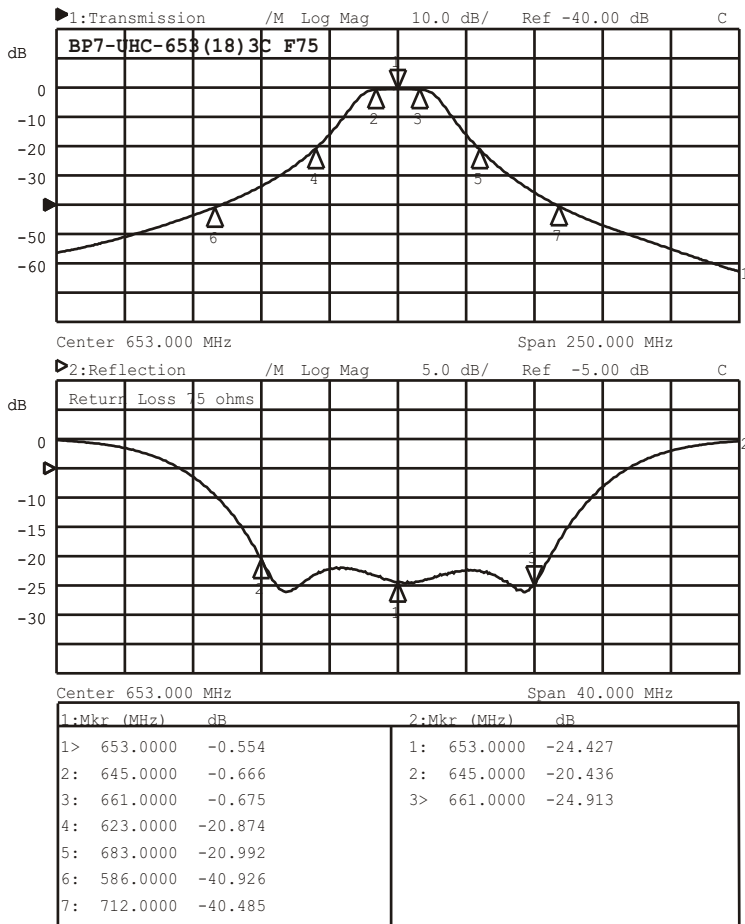


**Graph 2: Passband Flatness, Return Loss**



BP7-ch.UHC (3 Cavity 18 Mhz BW)

Graph 3: Passband/Skirt, Return Loss



Graph 4: Group Delay, Passband Flatness

