



Filter Product Overview

Main Features & Benefits:

- ▶ High RF performance
- ▶ Competitive price
- ▶ Ability to customize & speed of delivery
- ▶ Rack or wall mount versions for headend, hub site, & utility enclosures
- ▶ Environmentally sound, power passing outdoor housings for strand, pedestal, or wall mounting

Narrow Band Bandpass:

Designed to isolate a desired carrier & suppress interfering, unwanted carriers in CATV headends.

Highly Selective Bandpass:

Used to suppress strong adjacent carrier interference while maintaining superior group delay in CATV, LAN, headend, & network applications.

General Bandpass:

Has increased selectivity making it suitable to suppress adjacent channel interference & off-air interference with CATV, LAN, SMATV, & MATV headend applications.

Wide Bandpass:

Used to pass selected groups of channels & reject the remainder of the spectrum. Excellent for CATV & SMATV tier packages in hotels, motels, & apartments.

Noise Filter for Fiber Optic Systems:

Allows signals between two customer specified 3 dB points (knees) to be passed with anything outside this bandwidth being rejected. Typically used in fiber optic transmission links to remove unwanted distortions.

Band Rejection:

Used to trap a selected group of channels & pass the remainder of the spectrum. Excellent for CATV & SMATV tier packages in hotels, motels, & apartments.

Channel Deletion (Standard Indoor & Extended Temperature):

Delete an entire television or LAN channel & allow a new data or television channel to be reinserted. Extended temperature version operates over a temperature range of -20°C to $+50^{\circ}\text{C}$ (-4°F to $+122^{\circ}\text{F}$).

Indoor Channel Deletion Filters (Analog & QAM):

Delete an entire channel & allow a new channel to be reinserted.

Split Band Filter for Fiber Optic Links:

Selective diplex filter that provides customer specified 1 dB points that cross over so the passband is removed from the filter knee ensuring low group delay. The passband has less than 1 dB ripple to 750 MHz.

High Performance Diplex Filter Network:

High performance filters used to separate or combine Sub VHF & VHF frequencies. Designed for headend applications to launch &/or combine upstream & downstream signals.

Lowpass:

Passes all frequencies from DC to the specified frequency. All frequencies above the specified frequency are suppressed with minimal insertion loss. Excellent for CATV & SMATV tier packages in hotels, motels, & apartments.

Highpass:

Suppresses all frequencies from DC to the specified frequency. All frequencies above the specified frequency are passed with minimal insertion loss. Excellent for CATV & SMATV tier packages in hotels, motels, & apartments.

Brick Wall Low/Highpass:

Extremely sharp cutoff, low & highpass filters. Designed primarily to uncombine a CATV cable feed to interface to a fiber optics link or for reinserting a block of new programming. Transition from knee to first channel to be rejected is 1.5 MHz. Two brick wall filters can be combined to make an extremely sharp band rejection or bandpass filter.

Filter Product Overview (cont'd)

Pilot Carrier Trap:

Suppresses pilot carriers used in transmission systems. The small size & temperature stability make it suitable to be installed in the AML receiver. It can be used to remove pilot carriers in other CATV applications.

Outdoor Power Passing Distribution Filter Housing:

Environmentally sound, power passing distribution filter housing enables users to install a variety of filters in their distribution plants in order to supply channels selectively to commercial buildings, MDUs, hotels, & motels. Filters include lowpass, highpass, wide bandpass, band rejection, or a combination of any two of these. Strand, wall, or pedestal mounted.

