

PCI FILTERS®



Outdoor Power Passing Distribution Filter:

Application:

The OPP-DF is designed to operate outdoors and to pass AC power while maintaining excellent hum specifications. These features combined with the vast array of PCI's RF filters that can be incorporated into the outdoor housing allow users to install the OPP-DF in their distribution plants in order to supply channels selectively to commercial buildings, MDUs, and hotels/motels.

Features:

- ▶ Durable and weather resistant all zinc die cast housing, chromate coated, epoxy painted with stainless steel hardware & a neoprene "O" ring seal
- ▶ Standard 5/8" x #24 cable entry
- ▶ Housing has a removable lid & field-replaceable internal PC board for easy filter changes
- ▶ Strand or pedestal mounting (wall mounting option available)
- ▶ Fused AC power passing: Hum modulation -70 dB @ 10 amps, 5 MHz - 1GHz
- ▶ RF and EMI shielding is a minimum of -120 dB to 1 GHz
- ▶ Variety of filter types available: lowpass, highpass, wide bandpass, & band reject filters or a combination of any two of these

Technical Specifications

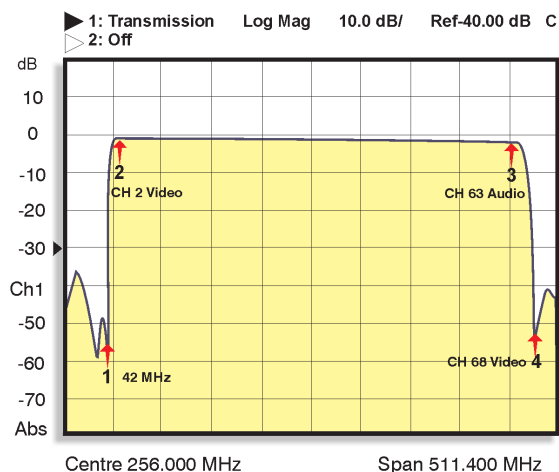
SPECIFICATIONS	
BANDWIDTH	5 MHz to 1 GHz
OUT OF BAND REJECTION	≥ 45 dB
RETURN LOSS	≥ 16 dB
IMPEDANCE	75 Ohms
OPERATING TEMPERATURE RANGE	+5°C to +35°C (+41°F to +95°F)
FUSED AC POWER PASSING	70 dB @ 10 amps
HUM MODULATION	5 MHz - 1 GHz
EMI/RFI ISOLATION	> 120 dB

Model: OPP-DF

Dimensions: 2.5"H x 7.0"W x 5.25"D
(6.35H x 17.78W x 13.34D cm)

Example Application:

The plot below illustrates the response of the OPP-DF which utilizes a lowpass and highpass filter combination in order to pass all channels from channel 2 to 63. The OPP-DF configured in this manner is used in the distribution plant in order to eliminate both the return band and the higher frequency services from being supplied to MDUs that have not been upgraded, or to those who do not want to receive upgraded services.



Ordering Information

Part Number	Description
OPP-DFL	Outdoor, Power Passing, Lowpass Filter
OPP-DFH	Outdoor, Power Passing, Highpass Filter
OPP-DFHL (*/**)	Outdoor, Power Passing, Aerial or Pedestal Mount Bandpass Filter
OPP-DF-BRF	Outdoor, Power Passing, Aerial or Pedestal Mount Band Reject Filter

Specifications subject to change without notice.



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