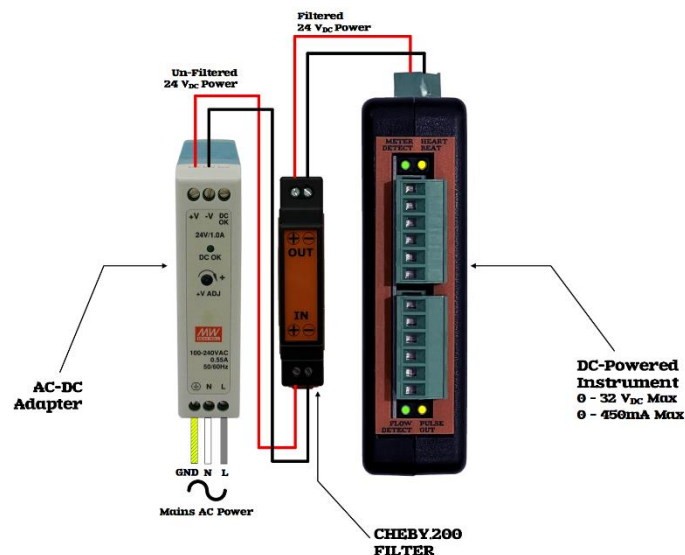


Chebyshev DC Power LP Filter with Common-Mode Attenuation Model CHEBY.200



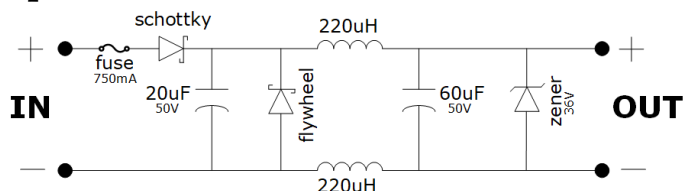
Attenuates High-Frequency Differential and Common-Mode Power Supply Noise Induced by VFD's and Other Sources of Electromagnetic Interference.

The model **CHEBY.200** is designed to attenuate high-frequency differential- and common-mode noise that can be present on the output of 24V_{DC} power supplies. Such interference is often induced by VFD's and other sources of electromagnetic interference in the vicinity of installed instrumentation and control devices – especially at pumping stations, water plants, wells, and other utility infrastructure sites.

The **CHEBY.200** is based upon a low-pass Chebyshev filter with a 1.0 KHz cutoff frequency. It features parallel capacitance to attenuate differential-mode ripple; and it also features significant series inductance on both the positive and negative input lines in order to attenuate high-frequency common-mode currents. A flywheel diode is present in order to eliminate inductive arcing when live DC power wires are removed.

The **CHEBY.200** is installed between the Power Supply DC Output and the Instrument DC Input, and it is polarity-dependent.

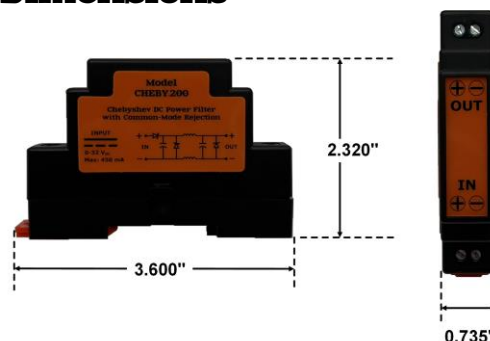
Equivalent Circuit -



Engineering Specifications -

Dimensions:	4.0" x 2.375" x 0.688"
Weight:	1.3 Ounces
Supply Voltage:	None (Passive)
Current Rating:	400 mA DC
Voltage Rating:	0 - 32 V _{DC}
Lowpass Cutoff Frequency:	1.0 KHz
Temperature:	-40C to 85C (-40°F to 185°F)
Relative Humidity:	5% to 95%, Non-Condensing
Enclosure Rating:	Built to IP20 Specifications
Manufacturing Location:	USA
Environmental:	ROHS-Compliant, Lead-Free
Warranty:	2 Years (see www.scadametrix.com for details)

Dimensions -



Are you interested in how SCADAmetrics technology can increase the reliability of your SCADA/meter signaling systems? Give us a call! We'll be glad to discuss the details!

SCADAmetrics
scadametrix.com
Wildwood, Missouri USA
636.405.7101