

SPECIALTY FILTERS

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The LTC-X640 series filters have multiple circuits using passive components and are designed for stand-alone, individual mounting. These filters are supplied with a threaded conduit pipe for penetration of a shielded enclosure.

Some of our filters use a system of converting to fiber optics and then re-converting back to wire. Such is the case with our USB 2.0 and 3.0 and HDMI specialty filters.

Key Features

- LTC Use Passive Components
- USB & HDMI Use Fiber Optic conversion
- Data Communication
- Control Line
- Cable TV Filters (CATV)
- Coax EMI Filters

Specifications

Electrical Specifications

Model	Passband Impedance (Ohms)	Passband Loss	Stopband Insertion Loss or Shielding Effectiveness	Maximum Current (Amperes)	Maximum Voltage (VAC)
LTC-4640-USB	90 (L-L), 45 (L-G)	1.0 dB Maximum; 0 to 30 Hz	100 dB min @ 85 MHz to 10 GHz	0.5	500
LTC-25640-GPIB	12400 (L-L), 6200 (L-G)	1.0 dB Maximum; 0 kHz to 2.5 kHz	100 dB Minimum @ 25 MHz to 10 GHz	3	300
LMF-4113	N/A	N/A	SE: 100 dB Minimum @ 14 kHz to 18 GHz	5	120
LMF-3519	75 (L-G)	1.0 dB Maximum; 0 kHz to 6.5 MHz	100 dB Minimum @ 30 MHz to 18 GHz	0.1	24
LMF-4380	N/A	N/A	SE: 100 dB Minimum @ 14 kHz to 18 GHz	3	120-230
LMF-4458	N/A	N/A	SE: 100 dB Minimum @ 14 kHz to 18 GHz	5	120

PLEASE NOTE: All these filters come with a penetration and hardware.

CAUTION: The LMF-4458 filter supports only USB 3.0 devices. USB 2.0 and 1.1 devices will not function with this filter.