

FILTERS Data Filters

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The LTC-X640 series filters have multiple circuits to handle 2, 4, 6, 8, 10 or 12 wires, and are designed for stand-alone, individual mounting. The LTC-X640 series filters may be supplied with an optional threaded conduit pipe for penetration of a shielded enclosure.

Key Features

- For 2 to 12 Line LTC Filters
- Signal, Sensor & Voice Communication
- Data Communication
- Control Line

Specifications

Electrical Specifications

Model	Passband Impedance	Passband Loss	Stopband Insertion Loss	Maximum Current	Maximum Voltage
LTC-X640-RS232	5000 (L-L), 2500 (L-G)	1.0 dB Maximum; 0 to 100 kHz	100 dB min @ 330 kHz to 18 GHz	0.006	30
LTC-X640-RS422	100 (L-L), 50 (L-G)	1.0 dB Maximum; 0 to 10 MHz	100 dB Minimum @ 30 MHz to 18 GHz	0.06	30
LTC-X640-10M	100 (L-L), 50 (L-G)	3.0 dB Maximum; 0 to 25 MHz	100 dB Minimum @ 85 MHz to 18 GHz	0.5	125

NOTE: For Installation on shield, filters can be ordered with penetration kit. Add "/PEN" to model numbers.

Physical Specifications

Model	Number of Lines	Width
LTC-2640-RS232	2	7.62 cm (3.0 in)
LTC-4640-RS232	4	15.24 cm (6.0 in)
LTC-6640-RS232	6	30.48 cm (12 in)
LTC-8640-RS232	8	30.48 cm (12 in)
LTC-10640-RS232	10	45.72 cm (18 in)
LTC-12640-RS232	12	45.72 cm (18 in)
LTC-2640-RS422	2	7.62 cm (3.0 in)
LTC-4640-RS422	4	15.24 cm (6.0 in)
LTC-6640-RS422	6	30.48 cm (12 in)
LTC-8640-RS422	8	30.48 cm (12 in)
LTC-10640-RS422	10	45.72 cm (18 in)
LTC-12640-RS422	12	45.72 cm (18 in)
LTC-2640-10M	2	7.62 cm (3.0 in)
LTC-4640-10M	4	15.24 cm (6.0 in)
LTC-6640-10M	6	30.48 cm (12 in)
LTC-8640-10M	8	30.48 cm (12 in)
LTC-10640-10M	10	45.72 cm (18 in)
LTC-12640-10M	12	45.72 cm (18 in)

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