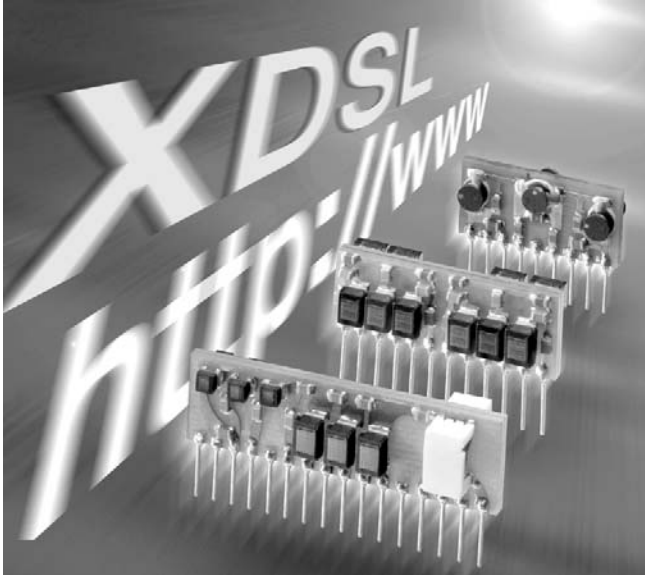


xDSL Filter Modules



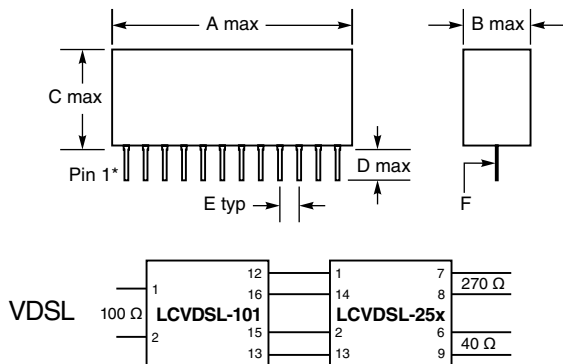
This product is not RoHS-compliant. Contact Coilcraft for current status or possible alternatives.

By using Coilcraft's tight-tolerance chip inductors mounted on a SIP package, these filter modules offer superior performance while occupying a fraction of the space of conventional designs.

The 250 and 251 modules combine three functions on a single space-saving unit: hybrid transformer, receive filter and transmit filter for VDSL. The other modules are high performance low pass and band pass filters for various xDSL implementations.

Coilcraft can provide application-specific designs and also makes available a library of reference designs for those who wish to integrate filtering into their own board.

For free evaluation samples or more information, please contact Coilcraft or visit www.coilcraft.com/xdsl.



Part number	Application	Idc (mA)	Impedance (Ohms)
LCADSL-150	Low pass ISDN/ADSL	100	150
LCADSL-151	Band pass ADSL	100	100
LCVDSL-100	Low pass ISDN/VDSL	100	150
LCVDSL-101	Band pass VDSL	100	100
LCVDSL-250	Receive high pass (CO)	100	270
	Transmit low pass (CO)	100	40
LCVDSL-251	Receive low pass (CPE)	100	270
	Transmit high pass (CPE)	100	40

Dimensions

	A	B	C	D	E	F
LCADSL-150	0.960 24,38	0.320 8,13	0.500 12,70	0.200 5,08	0.100 2,54	0.01 × 0.02 0,25 × 0,51
LCADSL-151	1.26 32,00	0.320 8,13	0.500 12,70	0.200 5,08	0.100 2,54	0.01 × 0.02 0,25 × 0,51
LCVDSL-100	0.610 15,49	0.320 8,13	0.350 8,89	0.200 5,08	0.100 2,54	0.01 × 0.02 0,25 × 0,51
LCVDSL-101	1.66 42,16	0.350 8,89	0.500 12,70	0.200 5,08	0.100 2,54	0.01 × 0.02 0,25 × 0,51
LCVDSL-250	1.46 37,08	0.320 8,13	0.500 12,70	0.200 5,08	0.100 2,54	0.01 × 0.02 0,25 × 0,51
LCVDSL-251	1.46 37,08	0.320 8,13	0.500 12,70	0.200 5,08	0.100 2,54	0.01 × 0.02 0,25 × 0,51

Pinouts*

Pins	Line 1			Line 2		
	Input	Output	Ground	Input	Output	Ground
9	1	9	3,4,6,7	2	8	3,4,6,7
12	1	2	3,4,5	12	11	8,9,10
6	1	6	3,4	2	5	3,4
16	1	12 15 RX TX	3-11,14	2	16 13 RX TX	3-11,14
14	1 2 RX TX	7 6 RX TX	3,4,5, 10,11,12	14 13 RX TX	8 9 RX TX	3,4,5, 10,11,12
14	1 2 RX TX	7 6 RX TX	3,4,5, 10,11,12	14 13 RX TX	8 9 RX TX	3,4,5, 10,11,12

* Pinouts are symmetrical. Except for LCVDSL-101, parts can be inserted in either direction. All unspecified pins are open.

Specifications subject to change without notice.

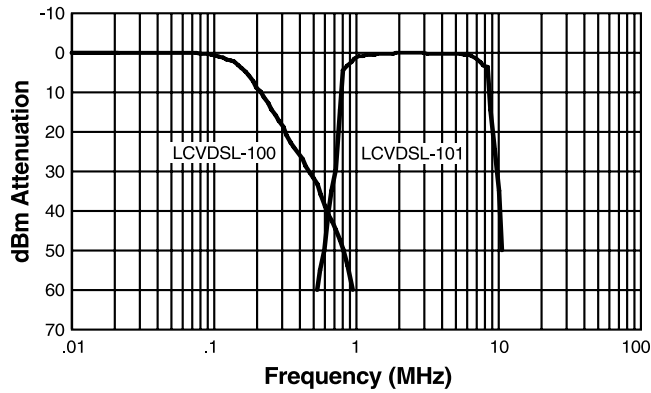
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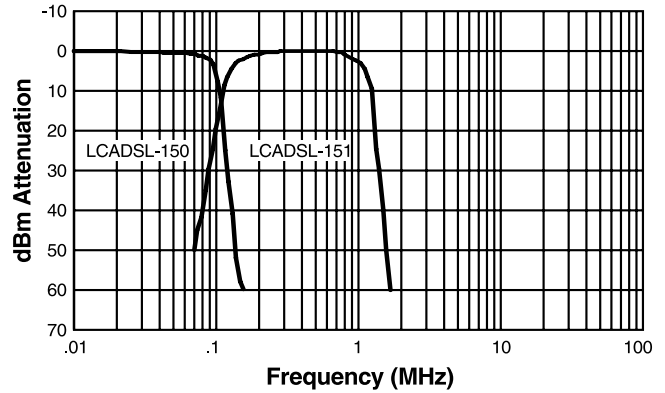
E-mail info@coilcraft.com Web <http://www.coilcraft.com>

xDSL Filter Modules

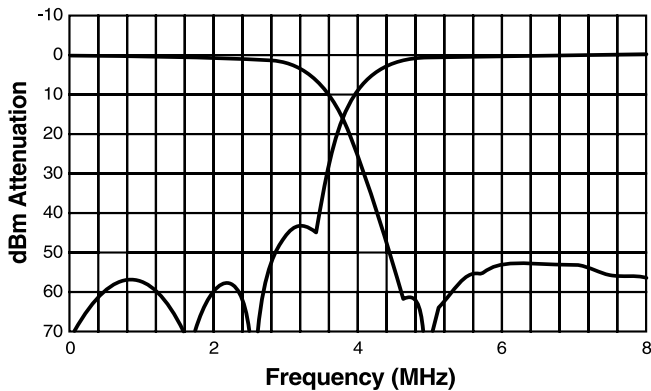
VDSL Low Pass and Band Pass Filters



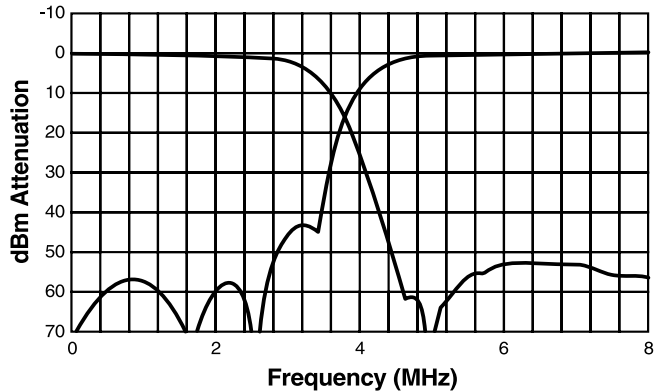
ADSL Low Pass and Band Pass Filters



LCVDSL250 Transmit and Receive Filters (CO)



LCVDSL251 Transmit and Receive Filters (CPE)



Specifications subject to change without notice. Please check our website for latest information. Document 226-2 Revised 06/28/07

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