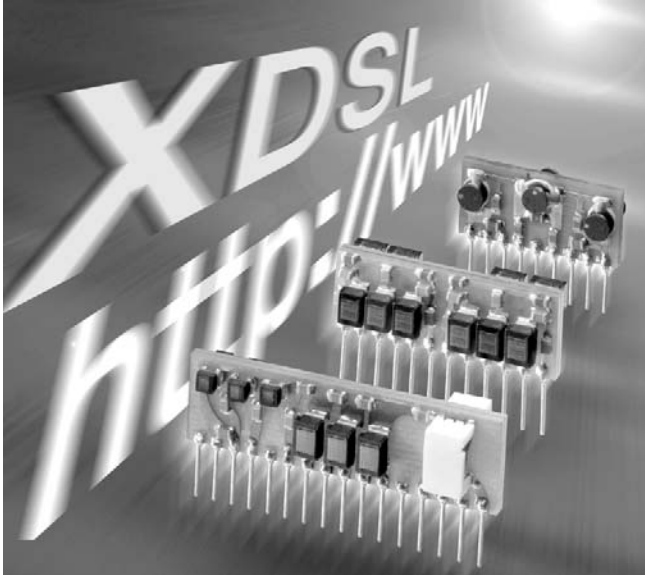


# xDSL Filter Modules



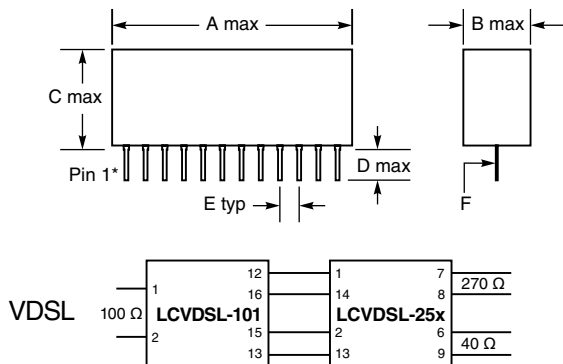
This product is not RoHS-compliant. Contact Coilcraft for current status or possible alternatives.

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](http://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	0.320	0.500	0.200	0.100	0.01 × 0.02
	24,38	8,13	12,70	5,08	2,54	0,25 × 0,51
LCADSL-151	1.26	0.320	0.500	0.200	0.100	0.01 × 0.02
	32,00	8,13	12,70	5,08	2,54	0,25 × 0,51
LCVDSL-100	0.610	0.320	0.350	0.200	0.100	0.01 × 0.02
	15,49	8,13	8,89	5,08	2,54	0,25 × 0,51
LCVDSL-101	1.66	0.350	0.500	0.200	0.100	0.01 × 0.02
	42,16	8,89	12,70	5,08	2,54	0,25 × 0,51
LCVDSL-250	1.46	0.320	0.500	0.200	0.100	0.01 × 0.02
	37,08	8,13	12,70	5,08	2,54	0,25 × 0,51
LCVDSL-251	1.46	0.320	0.500	0.200	0.100	0.01 × 0.02
	37,08	8,13	12,70	5,08	2,54	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.

**Coilcraft**<sup>®</sup>

Specifications subject to change without notice.

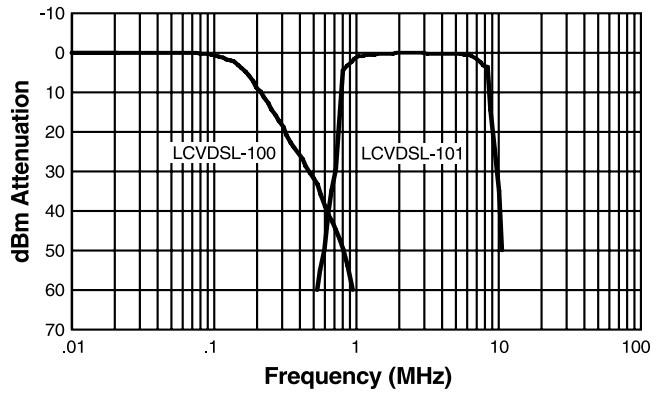
Please check our website for latest information. Document 226-1 Revised 06/28/07

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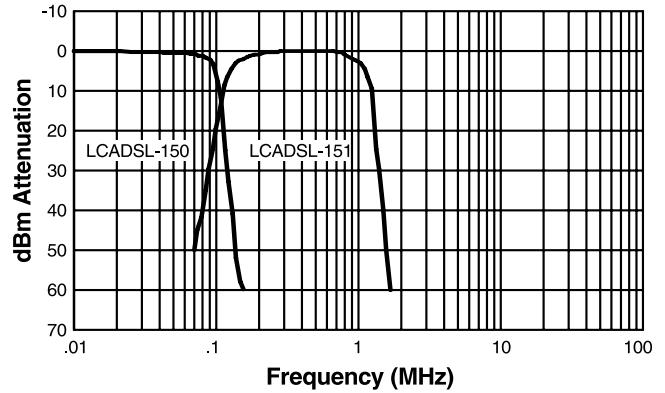
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# xDSL Filter Modules

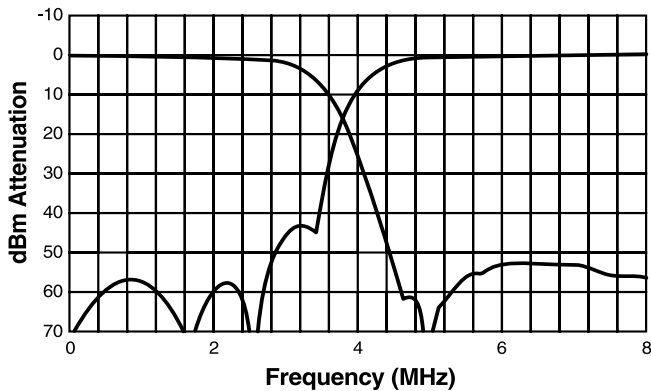
### VDSL Low Pass and Band Pass Filters



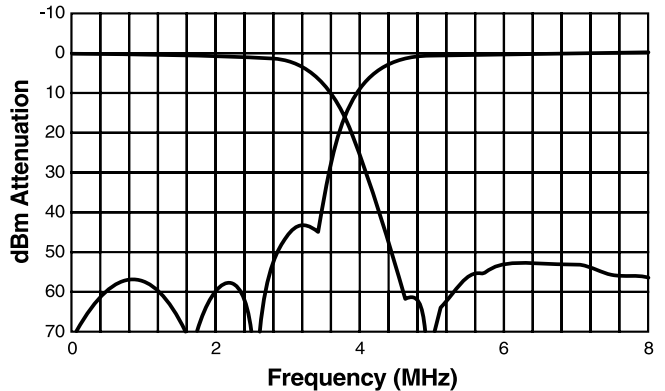
### ADSL Low Pass and Band Pass Filters



### LCVDSL250 Transmit and Receive Filters (CO)



### LCVDSL251 Transmit and Receive Filters (CPE)



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