

Low Pass LC Filter Modules



Coilcraft's family of low pass LC filters are available in 3rd order Butterworth and 7th order elliptical alignments.

These space saving SIP filters offer all the benefits of an LC design: low insertion loss, high power handling and controlled group delay.

Built using Coilcraft's tight tolerance surface mount inductors, these filters can be readily customized to meet your specific requirements.

- 3rd and 7th order alignments
- 50 Ohm characteristic impedance (75 Ohm versions also available)
- Less than 0.3 dB insertion loss

Coilcraft **Designer's Kit D101** contains samples of the filters shown in bold. To order, contact Coilcraft or visit <http://order.coilcraft.com>.

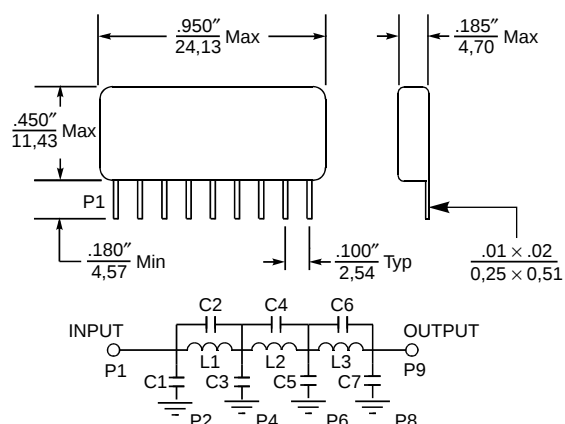
S-Parameter files

ON OUR WEB SITE OR CD

PSpice models

SEE CATALOG, WEB SITE OR CD

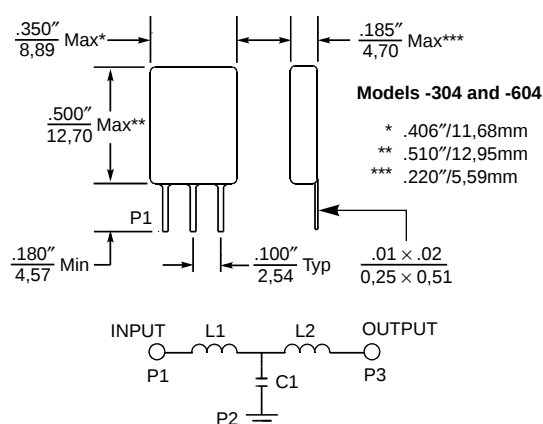
7 POLE FILTERS



Part Number	-3 dB cutoff (MHz) ¹	I _{DC} (mA) ²
P7LP-304	0.30	100
P7LP-604	0.60	200
P7LP-155	1.5	200
P7LP-305	3.0	250
P7LP-605	6.0	250
P7LP-156	15	300
P7LP-306	30	400
P7LP-606	60	500
P7LP-157	150	600
P7LP-307	300	600
P7LP-507	500	600

1. Tested on Agilent/HP8753D/HP3577B.
2. For a 15° C rise.
3. Operating temperature range -40° C to +85° C.
4. Electrical specifications at 25° C.
5. Parts in bold type are included in Coilcraft Designer's Kit D101.

3 POLE FILTERS



Part Number	-3 dB cutoff (MHz) ¹	I _{DC} (mA) ²
P3LP-304	0.30	100
P3LP-604	0.60	200
P3LP-155	1.5	200
P3LP-305	3.0	200
P3LP-605	6.0	300
P3LP-156	15	400
P3LP-306	30	500
P3LP-606	60	500
P3LP-157	150	900
P3LP-307	300	900
P3LP-507	500	500

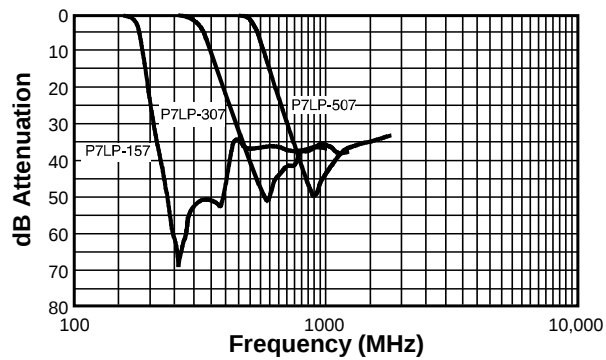
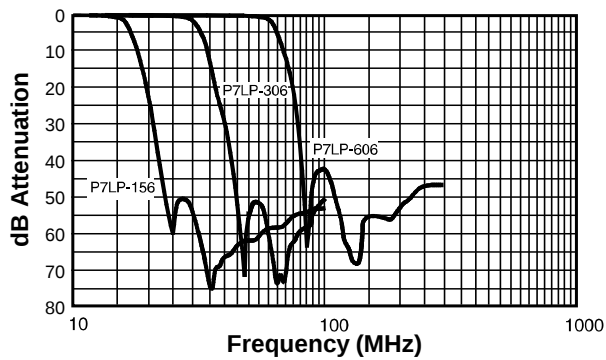
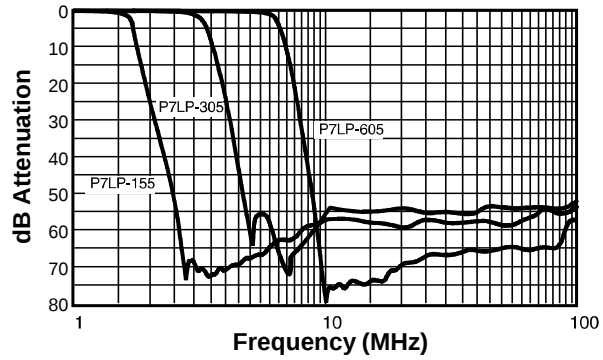
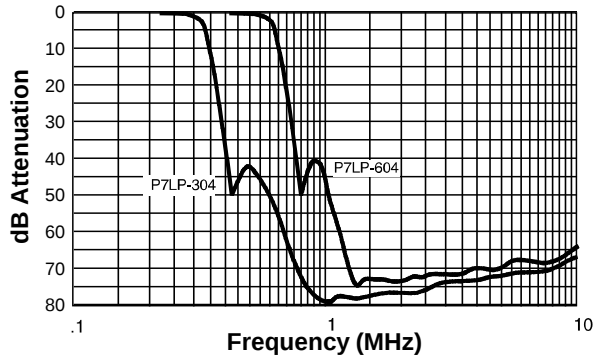
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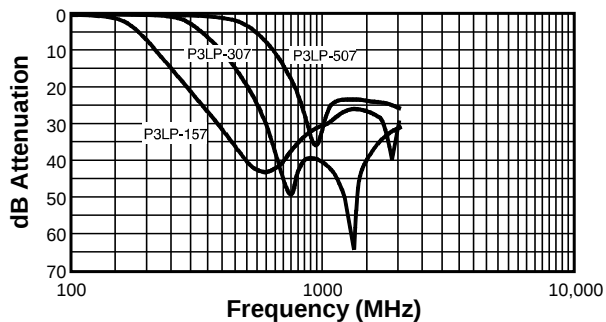
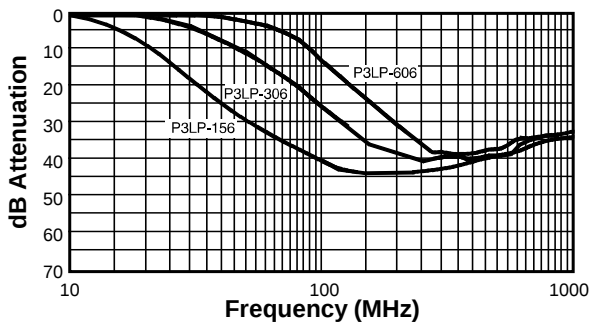
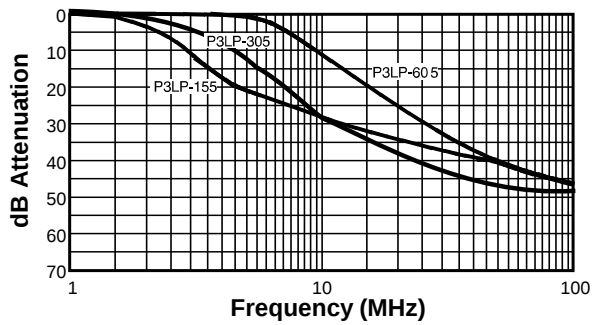
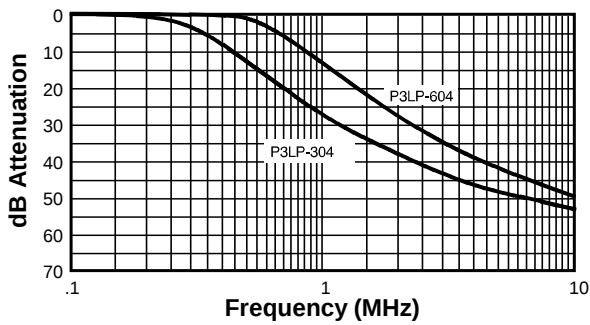
Specifications subject to change without notice. Document 118-1 Revised 4/9/01

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7 POLE FILTERS*



3 POLE FILTERS*



*Measured on Agilent/HP8753D network analyzer (re: 50Ω)

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Specifications subject to change without notice. Document 118-2 Revised 4/9/01

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