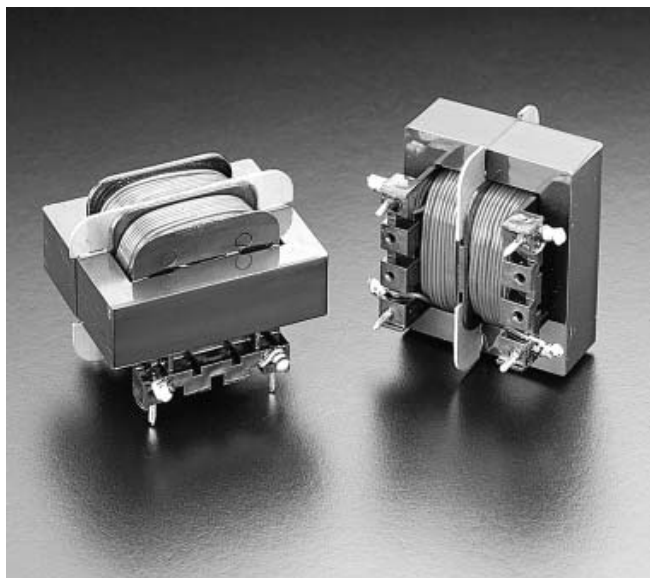


Combination Line Filter Choke

Common and Differential Mode



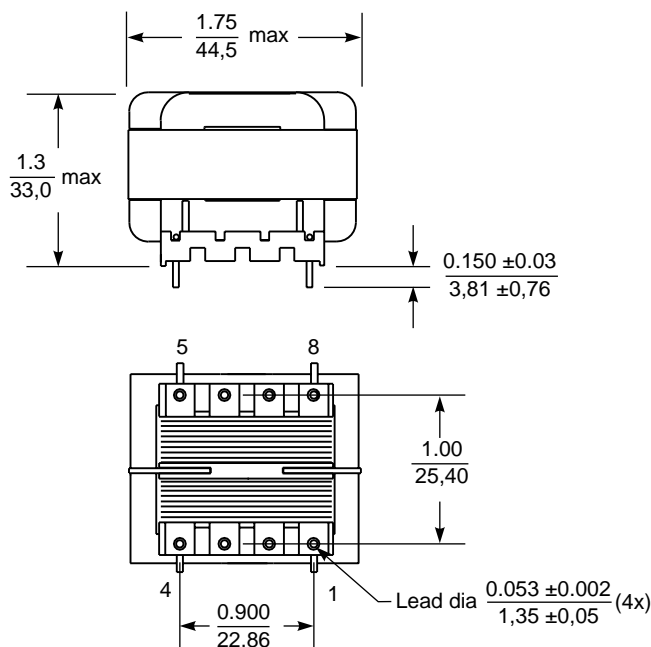
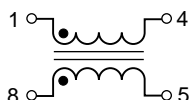
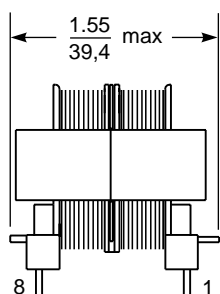
This series of chokes is intended for use in AC line filters for switching power supplies. They combine common and differential mode filtering in a single component.

By using these parts, designers can eliminate two extra filter chokes compared to a standard common mode choke. The unique combination of special windings and materials provides much better filtering performance than either a common mode choke or a single winding inductor alone.

The differential filtering frequency response has been designed to provide filtering at higher frequencies while still allowing the AC line power to pass through without loss. This characteristic is demonstrated in the graph of Differential Mode Attenuation.

Part number	Common mode L typ (mH)	Differential mode L typ (μ H)	DCR max (Ohms)	Isolation (Vrms)	Irms (A)
P3717-A	25.0	1000	0.30	1500	3
Q4007-A	4.5	150	0.06	1500	5
Q4018-A	1.5	35	0.02	1500	10

1. Operating temperature range -40° to $+85^{\circ}\text{C}$.
2. Electrical specifications at 25°C .



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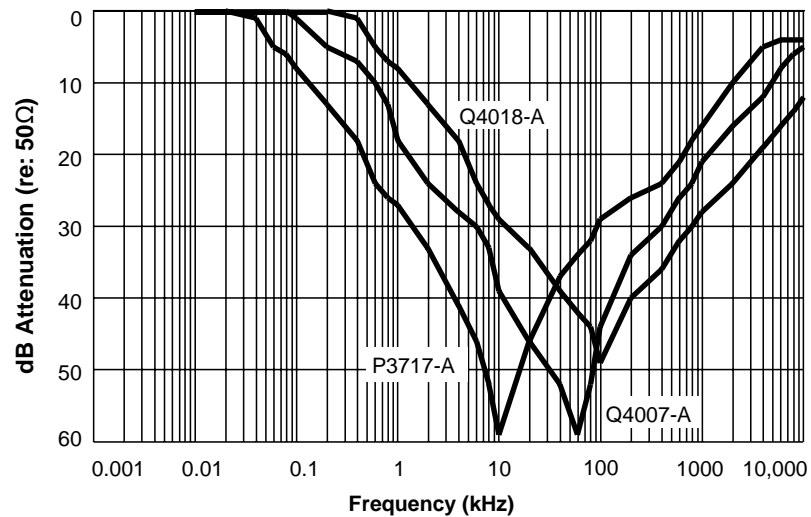
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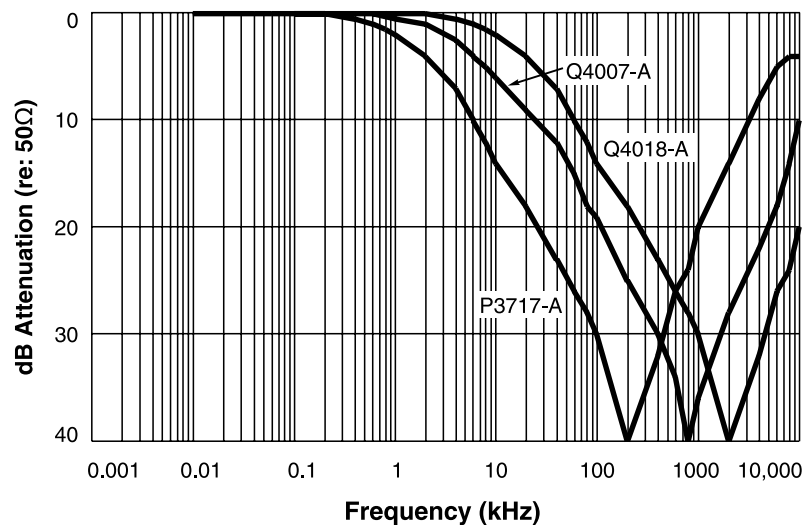
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Combination Line Filter Choke

Common Mode Attenuation Typical Response



Differential Mode Attenuation Typical Response



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