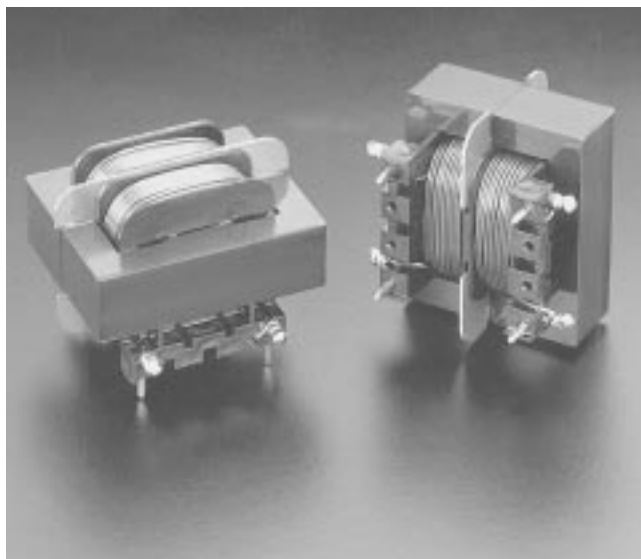


Combination Line Filter Choke Common and Differential Mode

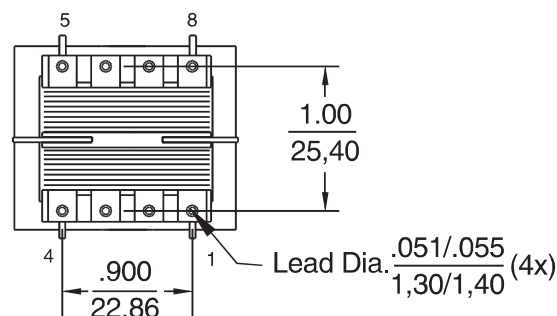
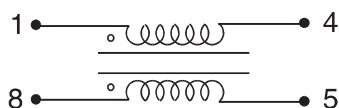
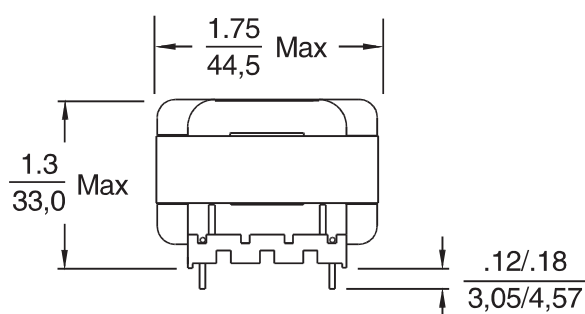
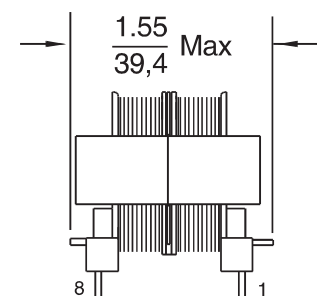


This series of chokes is intended for use in AC line filters for switching power supplies. They combine common and differential mode filtering in a single component.

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 Typ (Ω)	Isolation (Vrms)	Current Rating (Arms)
P3717-A	25.0	1000	.25	1500	3
Q4007-A	4.5	100	.05	1500	5
Q4018-A	1.5	35	.02	1500	10



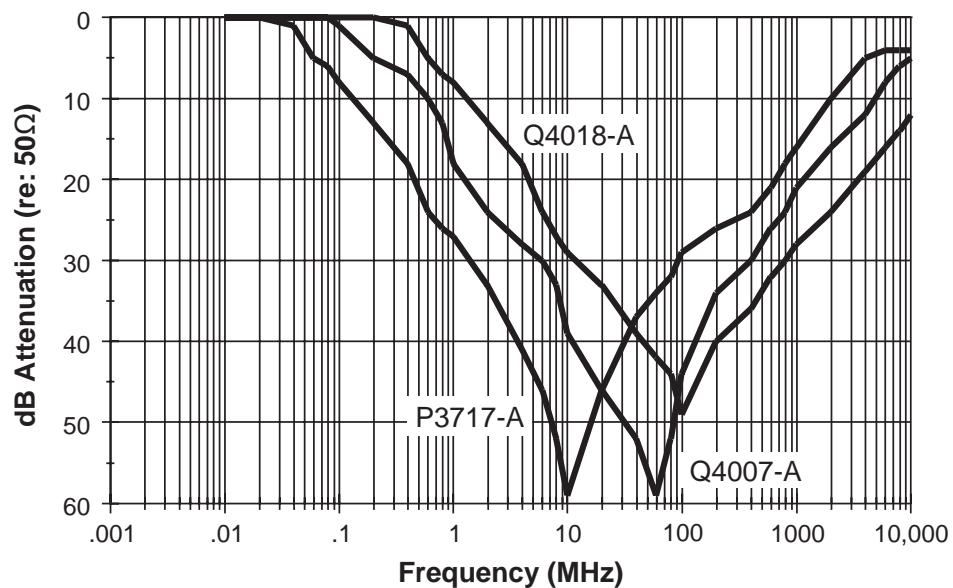
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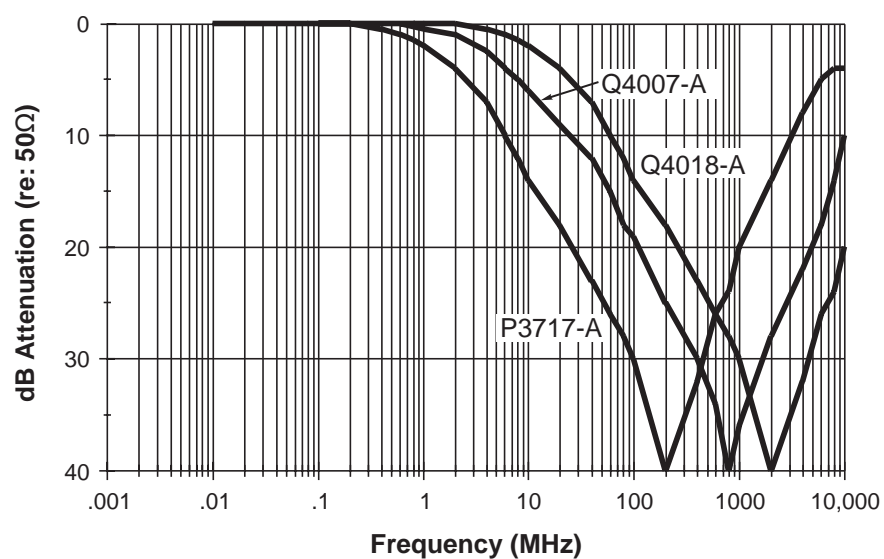
1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469
E-mail info@coilcraft.com Data by Fax 800/651-6974 Web <http://www.coilcraft.com>

COMBINATION LINE FILTER CHOKE

Common Mode Attenuation Typical Response



Differential Mode Attenuation Typical Response



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