



WCM510: XX Series

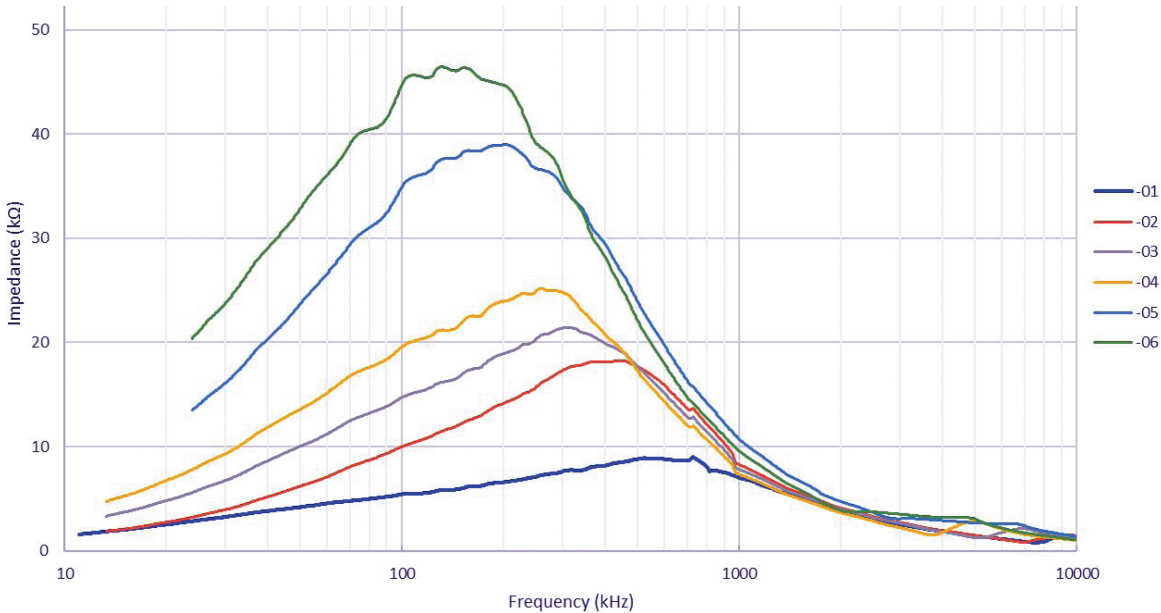
common mode chokes

- WCM-510

These are the largest nano-crystalline common mode chokes offered by West Coast Magnetics. They provide high attenuation levels at operating currents up to 52A. Utilizing nano-crystalline technology allows for more attenuation inside a smaller footprint; ferrite cores can not achieve the levels of attenuation offered by WCM's 510 series. Contact West Coast Magnetics to speak with a knowledgeable engineer to determine which choke is right for your application.

β Part Number	Lead Diameter $\pm .01"$ (in)	$L_{min}@10kHz$ (mH)	$L_{min}@100kHz$ (mH)	Leakage L_{max} (μH)	DCR $\pm 25\%$ (m Ω)	Rated RMS Current 40°C Temperature Rise	Rated RMS Current 60°C Temperature Rise	Rated RMS Current 80°C Temperature Rise	Hipot (VAC)
510-01	0.133	4.05	3.24	40.5	3	33.0	42.5	52.0	1500
510-02	0.106	6.05	4.84	60.5	6	29.0	37.5	43.0	1500
510-03	0.085	10.5	8.41	105	13	20.0	26.0	29.0	1500
510-04	0.069	16.2	12.9	162	26	14.5	17.5	19.8	1500
510-05	0.055	26.4	21.1	264	50	9.5	12.5	14.2	1500
510-06	0.044	43.5	34.8	435	101	7.5	9.2	10.5	1500

Note: Toroid cap available upon request





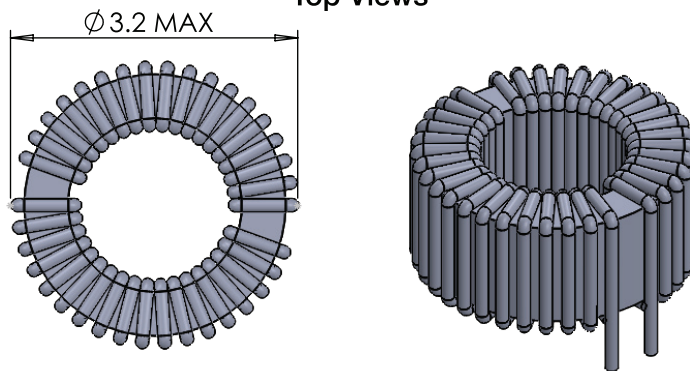
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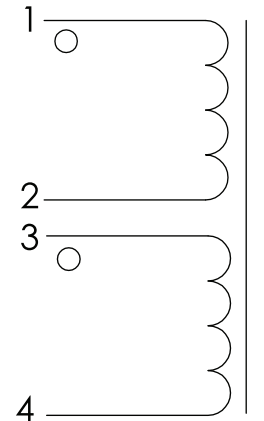
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Top Views



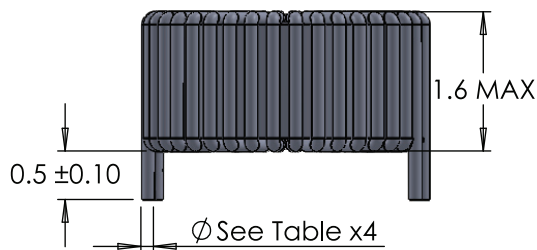
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Schematic



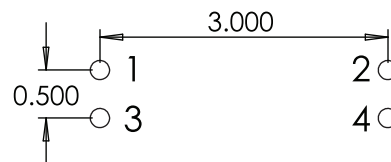
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Side View



WCM510-XX:01-04

Top View
Pin Layout



WCM510-XX:05-06

Top View
Pin Layout

