

WCM508 Series

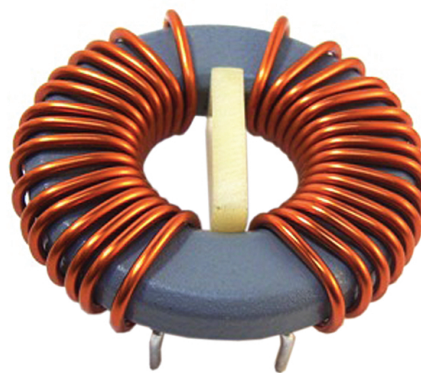
Common Mode Chokes

Product Description

West Coast Magnetics' 508 series common mode chokes are designed specifically for very low profile applications. With an RMS current rating of up to 30 amps, noise impedance in excess of 1000 ohms, and a height less than 1.4 cm, this common mode choke packs a lot of performance in a small package.

Features and Benefits

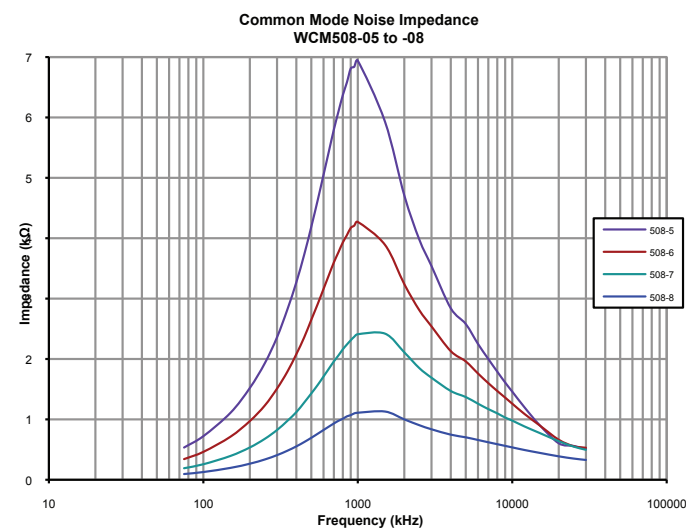
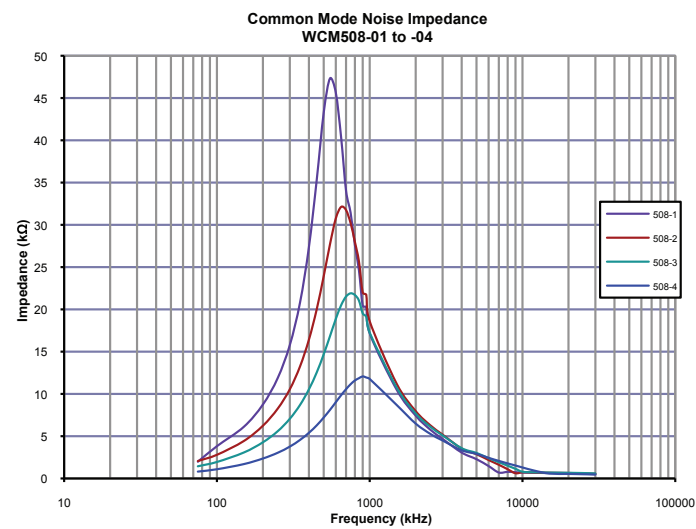
Very low profile - Excellent noise attenuation - Current to 30 amps - Safety agency compliance



Engineering Data

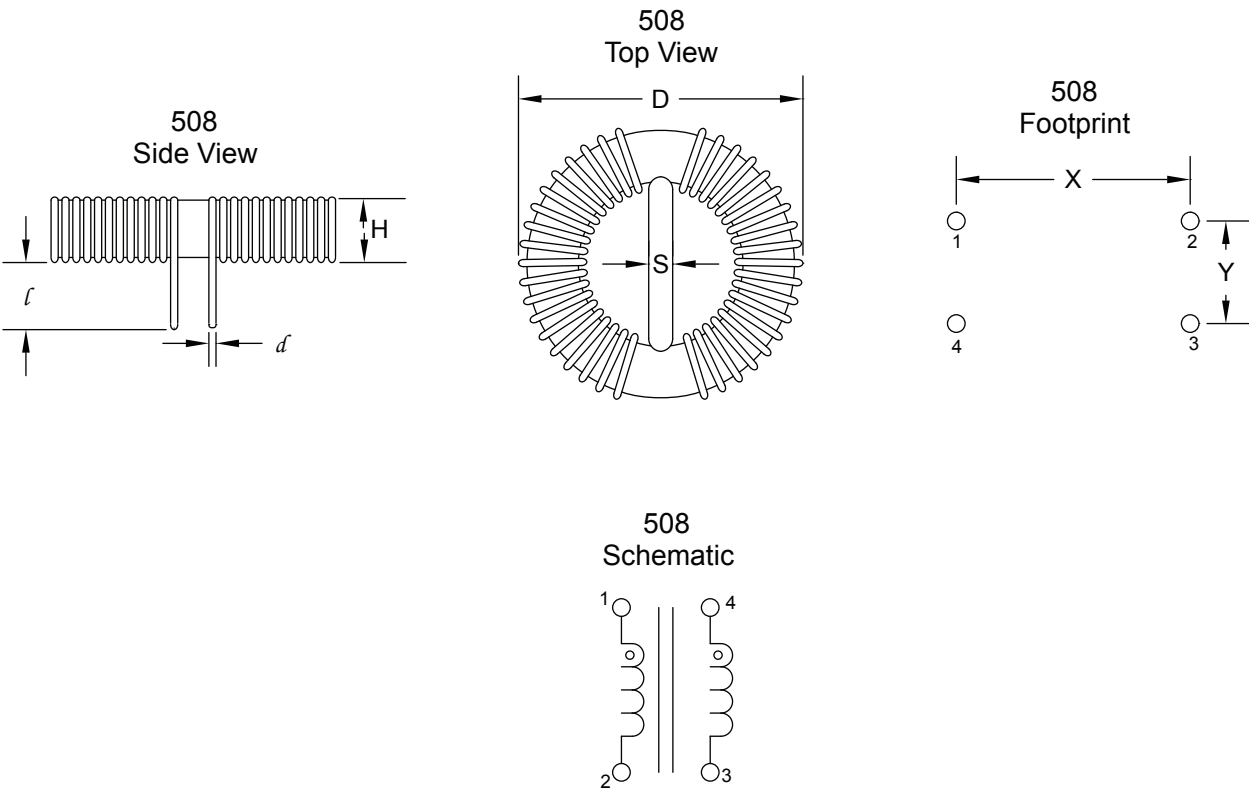
Product Code	Minimum Inductance (μH)	Rated RMS Current (amps) 40°C Temp Rise	Rated RMS Current (amps) 60°C Temp Rise	Rated RMS Current (amps) 80°C Temp Rise	Nominal Leakage Inductance (μH)	Nominal DCR (mOhm at 25°C)	Interwinding Hypot (Vac)	Clearance (mm)
WCM508-01	5082.900	3.0	3.5	4.3	80.35	118.8	1500	3
WCM508-02	3604.500	4.2	4.8	5.8	58.29	63.9	1500	3
WCM508-03	2566.100	5.8	6.6	8.0	41.94	34.6	1500	3
WCM508-04	1552.300	7.9	9.4	11.0	26.08	17.3	1500	3
WCM508-05	901.100	11.5	13.1	16.0	15.72	8.5	1500	3
WCM508-06	594.900	14.5	17.2	21.0	9.87	4.5	1500	3
WCM508-07	352.000	19.0	24.0	26.8	5.81	2.3	1500	3
WCM508-08	172.500	23.0	25.3	30.1	3.42	1.1	1500	3





Schematics WCM508 Series

Product Code	D	H	S	<i>d</i>	<i>ℓ</i>	X	Y
WCM508-01	<u>1.620</u> 4.115	<u>0.360</u> 0.914	<u>0.125</u> 0.318	<u>0.020</u> 0.051	<u>0.25</u> 0.6	<u>1.400</u> 3.556	<u>0.437</u> 1.109
WCM508-02	<u>1.640</u> 4.166	<u>0.380</u> 1.965	<u>0.125</u> 0.318	<u>0.025</u> 0.064	<u>0.25</u> 0.6	<u>1.400</u> 3.556	<u>0.437</u> 1.109
WCM508-03	<u>1.650</u> 4.191	<u>0.30</u> .991	<u>0.125</u> 0.318	<u>0.032</u> 0.081	<u>0.25</u> 0.6	<u>1.400</u> 3.556	<u>0.437</u> 1.109
WCM508-04	<u>1.640</u> 4.166	<u>0.410</u> 1.041	<u>0.125</u> 0.318	<u>0.040</u> 0.102	<u>0.25</u> 0.6	<u>1.400</u> 3.556	<u>0.437</u> 1.109
WCM508-05	<u>1.690</u> 4.293	<u>0.440</u> 1.118	<u>0.125</u> 0.318	<u>0.051</u> 0.130	<u>0.25</u> 0.6	<u>1.400</u> 3.556	<u>0.437</u> 1.109
WCM508-06	<u>1.710</u> 4.343	<u>0.460</u> 1.168	<u>0.125</u> 0.318	<u>0.064</u> 0.163	<u>0.25</u> 0.6	<u>1.400</u> 3.556	<u>0.437</u> 1.109
WCM508-07	<u>1.760</u> 4.470	<u>0.530</u> 1.346	<u>0.125</u> 0.318	<u>0.081</u> 0.206	<u>0.25</u> 0.6	<u>1.400</u> 3.556	<u>0.437</u> 1.109
WCM508-08	<u>1.810</u> 4.597	<u>0.50</u> 1.448	<u>0.125</u> 0.318	<u>0.102</u> 0.259	<u>0.25</u> 0.6	<u>1.400</u> 3.556	<u>0.437</u> 1.109



Dimensions:

Inches
mm

Note:

Please specify vertical or horizontal mount with your order.