

# 508 series

## common mode chokes

### PRODUCT DESCRIPTION

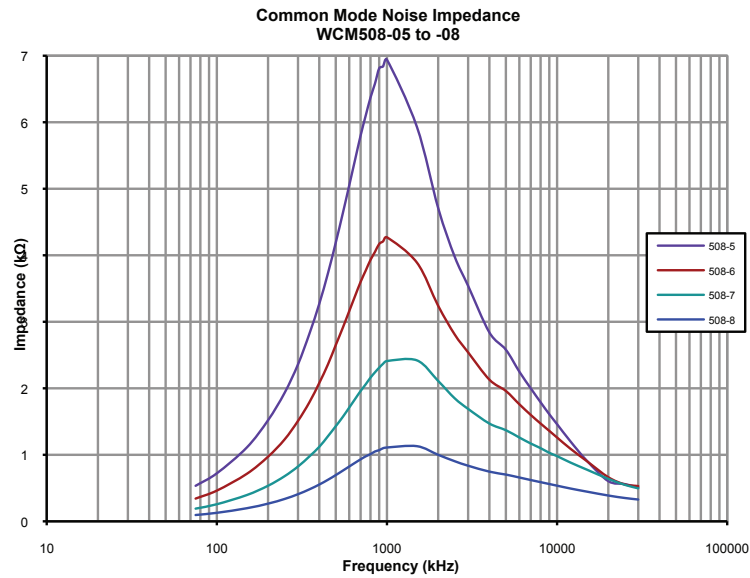
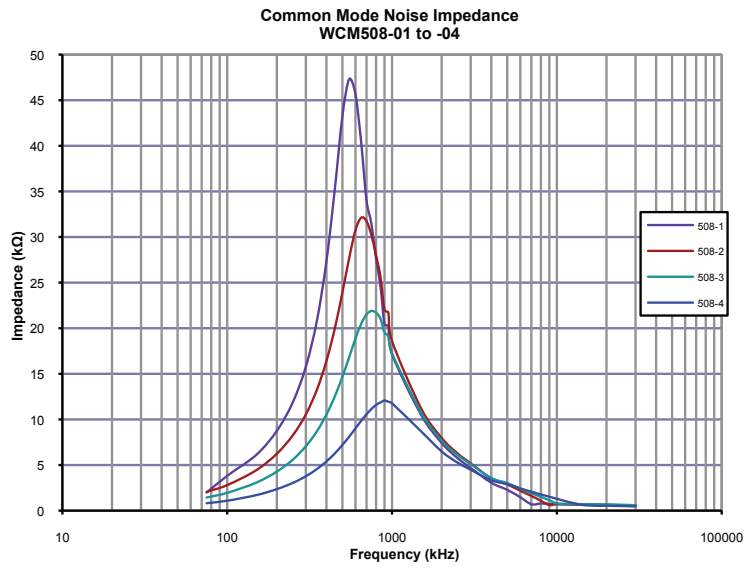
West Coast Magnetics' 508 series common mode chokes are designed specifically for very low profile applications. With an RMS current rating of up to 30 amps, noise impedance in excess of 1000 ohms, and a height less than 1.4 cm, this common mode choke packs a lot of performance in a small package.



### FEATURES & BENEFITS

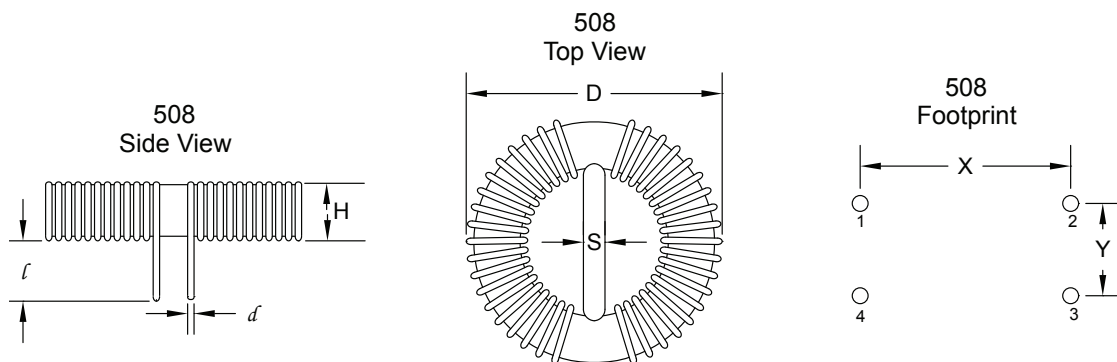
Very low profile - Excellent noise attenuation - Current to 30 amps - Safety agency compliance

Product Code	Minimum Inductance ( $\mu$ H)	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 ( $\mu$ H)	Nominal DCR (mOhm at 25°C)	Interwinding Hypot (Vac)	Clearance (mm)
508-01	5082.900	3.0	3.5	4.3	80.35	118.8	1500	3
508-02	3604.500	4.2	4.8	5.8	58.29	63.9	1500	3
508-03	2566.100	5.8	6.6	8.0	41.94	34.6	1500	3
508-04	1552.300	7.9	9.4	11.0	26.08	17.3	1500	3
508-05	901.100	11.5	13.1	16.0	15.72	8.5	1500	3
508-06	594.900	14.5	17.2	21.0	9.87	4.5	1500	3
508-07	352.000	19.0	24.0	26.8	5.81	2.3	1500	3
508-08	172.500	23.0	25.3	30.1	3.42	1.1	1500	3



Dimensions:  $\frac{\text{inches}}{\text{cm}}$

Product Code	D	H	S	d	l	X	Y
508-1	$\frac{1.620}{4.115}$	$\frac{0.360}{0.914}$	$\frac{0.125}{0.318}$	$\frac{0.020}{0.051}$	$\frac{0.25}{0.6}$	$\frac{1.400}{3.556}$	$\frac{0.437}{1.109}$
508-2	$\frac{1.640}{4.166}$	$\frac{0.380}{1.965}$	$\frac{0.125}{0.318}$	$\frac{0.025}{0.064}$	$\frac{0.25}{0.6}$	$\frac{1.400}{3.556}$	$\frac{0.437}{1.109}$
508-3	$\frac{1.650}{4.191}$	$\frac{0.30}{.991}$	$\frac{0.125}{0.318}$	$\frac{0.032}{0.081}$	$\frac{0.25}{0.6}$	$\frac{1.400}{3.556}$	$\frac{0.437}{1.109}$
508-4	$\frac{1.640}{4.166}$	$\frac{0.410}{1.041}$	$\frac{0.125}{0.318}$	$\frac{0.040}{0.102}$	$\frac{0.25}{0.6}$	$\frac{1.400}{3.556}$	$\frac{0.437}{1.109}$
508-5	$\frac{1.690}{4.293}$	$\frac{0.440}{1.118}$	$\frac{0.125}{0.318}$	$\frac{0.051}{0.130}$	$\frac{0.25}{0.6}$	$\frac{1.400}{3.556}$	$\frac{0.437}{1.109}$
508-6	$\frac{1.710}{4.343}$	$\frac{0.460}{1.168}$	$\frac{0.125}{0.318}$	$\frac{0.064}{0.163}$	$\frac{0.25}{0.6}$	$\frac{1.400}{3.556}$	$\frac{0.437}{1.109}$
508-7	$\frac{1.760}{4.470}$	$\frac{0.530}{1.346}$	$\frac{0.125}{0.318}$	$\frac{0.081}{0.206}$	$\frac{0.25}{0.6}$	$\frac{1.400}{3.556}$	$\frac{0.437}{1.109}$
508-8	$\frac{1.810}{4.597}$	$\frac{0.50}{1.448}$	$\frac{0.125}{0.318}$	$\frac{0.102}{0.259}$	$\frac{0.25}{0.6}$	$\frac{1.400}{3.556}$	$\frac{0.437}{1.109}$



508 Schematic

