

507 series

PRODUCT DESCRIPTION

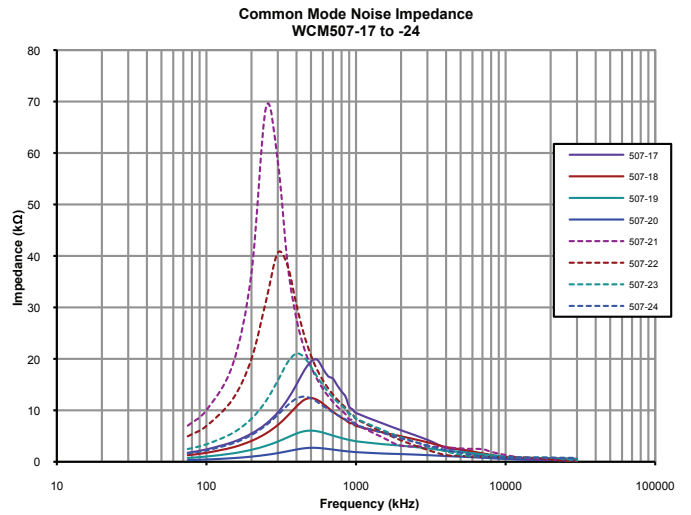
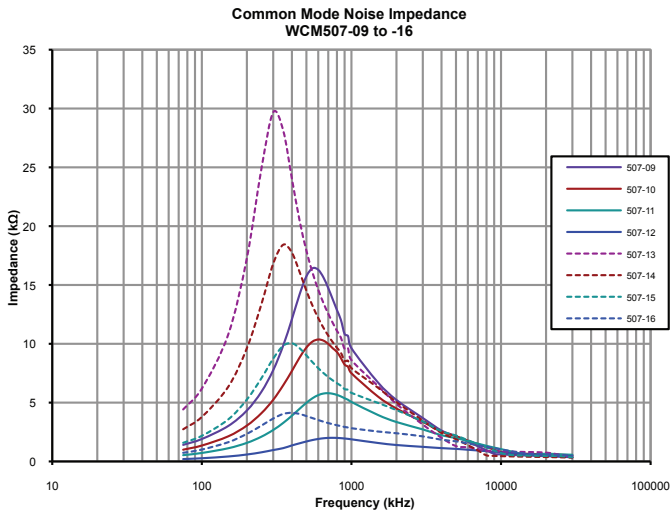
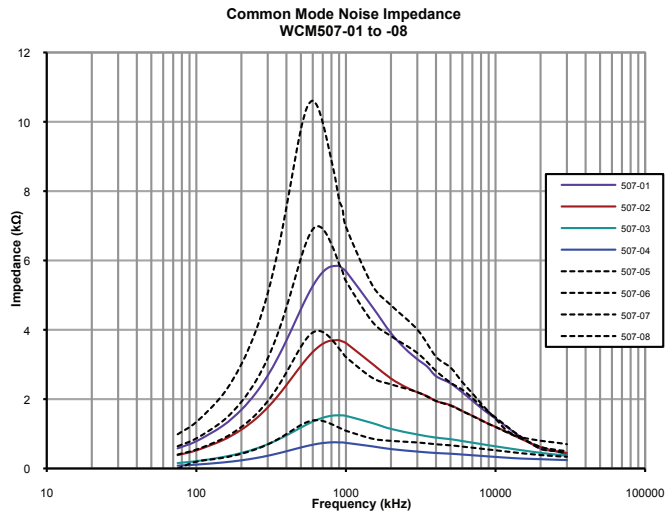
West Coast Magnetics' 507 series common mode chokes are designed to attenuate common mode line noise. These common mode chokes can handle currents up to 50 amps and are available in a horizontal mount package. They feature an interwinding isolation of 1500 Vac and 3mm clearance for safety requirements.

FEATURES & BENEFITS

RMS current to 50 amps – Excellent noise attenuation – Minimum 3mm clearance between windings



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)
507-01	1056.2	16.0	17.0	19.5	13.68	6.7	1500	3
507-02	652.0	23.0	24.0	28.0	8.52	3.4	1500	3
507-03	264.1	33.5	34.5	37.5	3.63	1.4	1500	3
507-04	134.7	38.0	41.6	44.7	2.12	0.8	1500	3
507-05	1653.8	18.0	19.0	21.5	21.44	8.8	1500	3
507-06	1091.7	23.5	24.5	28.0	13.37	4.6	1500	3
507-07	646.0	33.0	34.0	37.0	8.37	2.3	1500	3
507-08	232.6	38.0	41.6	44.7	3.15	1.1	1500	3
507-09	2623.1	17.0	18.0	20.5	35.75	12.6	1500	3
507-10	1719.0	22.0	23.0	27.0	21.83	11.8	1500	3
507-11	1005.2	30.0	31.0	34.5	14.90	5.8	1500	3
507-12	380.7	38.0	41.6	44.7	5.34	2.9	1500	3
507-13	6760.0	16.5	17.6	20.1	76.54	20.3	1500	3
507-14	4410.0	22.0	23.0	27.0	47.83	10.6	1500	3
507-15	2560.0	31.0	32.0	35.5	26.41	5.2	1500	3
507-16	1210.0	38.0	41.6	44.7	15.39	2.9	1500	3
507-17	3422.5	15.8	16.8	19.3	52.03	14.0	1500	3
507-18	2190.4	21.0	22.0	26.0	36.20	7.3	1500	3
507-19	1232.1	30.0	31.0	34.5	18.16	3.7	1500	3
507-20	547.6	36.0	39.6	42.7	9.88	1.9	1500	3
507-21	14846.6	16.0	17.0	19.5	194.00	35.0	1500	3
507-22	9044.0	21.0	22.0	26.0	128.50	17.5	1500	3
507-23	5087.2	30.0	31.0	34.5	76.52	8.5	1500	3
507-24	3188.4	40.0	43.6	46.7	41.69	5.4	1500	3



common mode chokes

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

Product Code	D	H	S	d	l	X	Y	Product Code	D	H	S	d	l	X	Y
507-1	<u>1.650</u> 4.191	<u>0.800</u> 2.032	<u>0.125</u> 0.318	<u>0.068</u> 0.173	<u>0.500</u> 1.270	<u>1.480</u> 3.759	<u>0.800</u> 2.032	507-13	<u>2.750</u> 6.985	<u>1.250</u> 3.175	<u>0.125</u> 0.318	<u>0.068</u> 0.173	<u>0.500</u> 1.270	<u>2.560</u> 6.502	<u>0.770</u> 1.956
507-2	<u>1.700</u> 4.318	<u>0.850</u> 2.159	<u>0.125</u> 0.318	<u>0.085</u> 0.216	<u>0.500</u> 1.270	<u>1.480</u> 3.759	<u>0.800</u> 2.032	507-14	<u>2.850</u> 7.239	<u>1.300</u> 3.302	<u>0.125</u> 0.318	<u>0.085</u> 0.216	<u>0.500</u> 1.270	<u>2.560</u> 6.502	<u>0.770</u> 1.956
507-3	<u>1.750</u> 4.445	<u>0.900</u> 2.286	<u>0.125</u> 0.318	<u>0.106</u> 0.269	<u>0.500</u> 1.270	<u>1.480</u> 3.759	<u>0.800</u> 2.032	507-15	<u>2.950</u> 7.493	<u>1.350</u> 3.429	<u>0.125</u> 0.318	<u>0.106</u> 0.269	<u>0.500</u> 1.270	<u>2.560</u> 6.502	<u>0.770</u> 1.956
507-4	<u>1.850</u> 4.699	<u>0.950</u> 2.413	<u>0.125</u> 0.318	<u>0.133</u> 0.338	<u>0.500</u> 1.270	<u>1.480</u> 3.759	<u>0.800</u> 2.032	507-16	<u>3.000</u> 7.620	<u>1.450</u> 3.683	<u>0.125</u> 0.318	<u>0.133</u> 0.338	<u>0.500</u> 1.270	<u>2.560</u> 6.502	<u>0.770</u> 1.956
507-5	<u>2.100</u> 5.334	<u>0.850</u> 2.159	<u>0.125</u> 0.318	<u>0.068</u> 0.173	<u>0.500</u> 1.270	<u>1.880</u> 4.775	<u>0.750</u> 1.905	507-17	<u>2.700</u> 6.858	<u>0.800</u> 2.032	<u>0.125</u> 0.318	<u>0.068</u> 0.173	<u>0.500</u> 1.270	<u>2.480</u> 6.299	<u>0.770</u> 1.956
507-6	<u>2.150</u> 5.461	<u>0.950</u> 2.413	<u>0.125</u> 0.318	<u>0.085</u> 0.216	<u>0.500</u> 1.270	<u>1.880</u> 4.775	<u>0.750</u> 1.905	507-18	<u>2.750</u> 6.985	<u>0.800</u> 2.032	<u>0.125</u> 0.318	<u>0.085</u> 0.216	<u>0.500</u> 1.270	<u>2.480</u> 6.299	<u>0.770</u> 1.956
507-7	<u>2.250</u> 5.715	<u>0.950</u> 2.413	<u>0.125</u> 0.318	<u>0.106</u> 0.269	<u>0.500</u> 1.270	<u>1.880</u> 4.775	<u>0.750</u> 1.905	507-19	<u>2.800</u> 7.112	<u>0.850</u> 2.159	<u>0.125</u> 0.318	<u>0.106</u> 0.269	<u>0.500</u> 1.270	<u>2.480</u> 6.299	<u>0.770</u> 1.956
507-8	<u>2.300</u> 5.842	<u>0.100</u> 0.254	<u>0.125</u> 0.318	<u>0.133</u> 0.338	<u>0.500</u> 1.270	<u>1.880</u> 4.775	<u>0.750</u> 1.905	507-20	<u>2.850</u> 7.239	<u>0.950</u> 2.413	<u>0.125</u> 0.318	<u>0.133</u> 0.338	<u>0.500</u> 1.270	<u>2.480</u> 6.299	<u>0.770</u> 1.956
507-9	<u>2.200</u> 5.588	<u>0.950</u> 2.413	<u>0.125</u> 0.318	<u>0.068</u> 0.173	<u>0.500</u> 1.270	<u>2.040</u> 5.182	<u>0.760</u> 1.930	507-21	<u>3.650</u> 9.271	<u>1.300</u> 3.302	<u>0.125</u> 0.318	<u>0.068</u> 0.173	<u>0.500</u> 1.270	<u>3.450</u> 8.763	<u>0.820</u> 2.083
507-10	<u>2.250</u> 5.715	<u>1.000</u> 2.540	<u>0.125</u> 0.318	<u>0.085</u> 0.216	<u>0.500</u> 1.270	<u>2.040</u> 5.182	<u>0.760</u> 1.930	507-22	<u>3.700</u> 9.398	<u>1.350</u> 3.429	<u>0.125</u> 0.318	<u>0.085</u> 0.216	<u>0.500</u> 1.270	<u>3.450</u> 8.763	<u>0.820</u> 2.083
507-11	<u>2.300</u> 5.842	<u>1.050</u> 2.667	<u>0.125</u> 0.318	<u>0.106</u> 0.269	<u>0.500</u> 1.270	<u>2.040</u> 5.182	<u>0.760</u> 1.930	507-23	<u>3.800</u> 9.652	<u>1.400</u> 3.556	<u>0.125</u> 0.318	<u>0.106</u> 0.269	<u>0.500</u> 1.270	<u>3.450</u> 8.763	<u>0.820</u> 2.083
507-12	<u>2.400</u> 6.096	<u>1.100</u> 2.794	<u>0.125</u> 0.318	<u>0.133</u> 0.338	<u>0.500</u> 1.270	<u>2.040</u> 5.182	<u>0.760</u> 1.930	507-24	<u>3.850</u> 9.779	<u>1.450</u> 3.683	<u>0.125</u> 0.318	<u>0.133</u> 0.338	<u>0.500</u> 1.270	<u>3.450</u> 8.763	<u>0.820</u> 2.083

