

WCM308 Series

Power Inductors

Product Description

West Coast Magnetics' 308 series power inductors deliver very high performance in a small, light, low cost package. They have been designed to handle very high DC currents and high AC ripple currents from 60 Hz up to 500 kHz. These inductors offer exceptional reliability with an operating temperature rating of 200° C.

Features and Benefits

Available with patented Foil Technology for high ripple, high frequency applications - Compact Size - Low Cost - High Current Rating - 200° C Temperature Rating

Shaped Foil Technology™

West Coast Magnetics' exclusive shaped foil technology™ combines the low DCR of a foil winding, with the low AC winding resistance of litz wire. For many high ripple, high frequency applications it has significantly lower winding losses than any litz or solid wire winding. Check with WCM's engineering department to see if it is right for your application.



Engineering Data

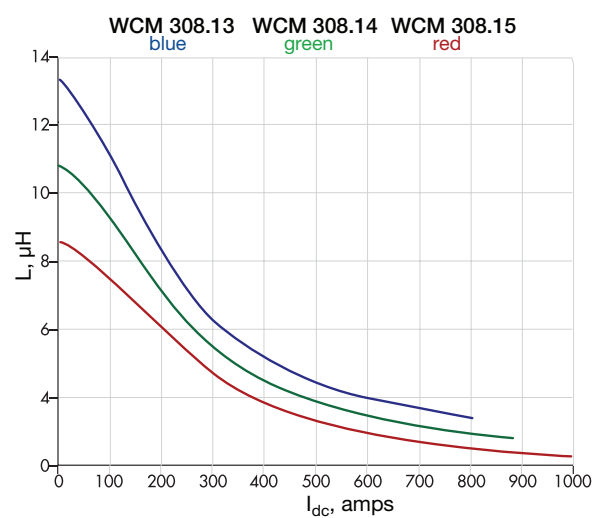
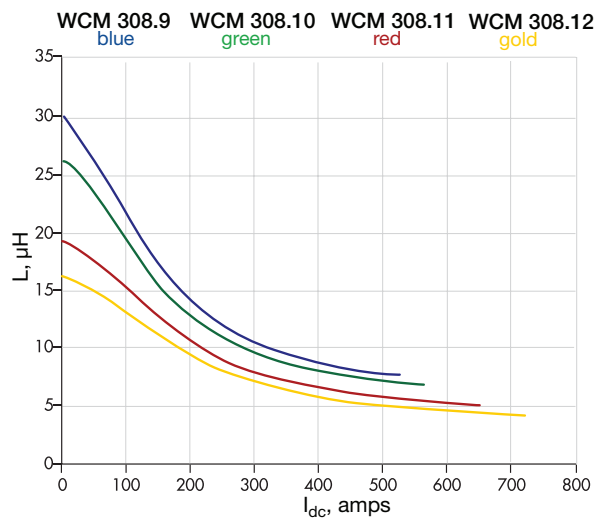
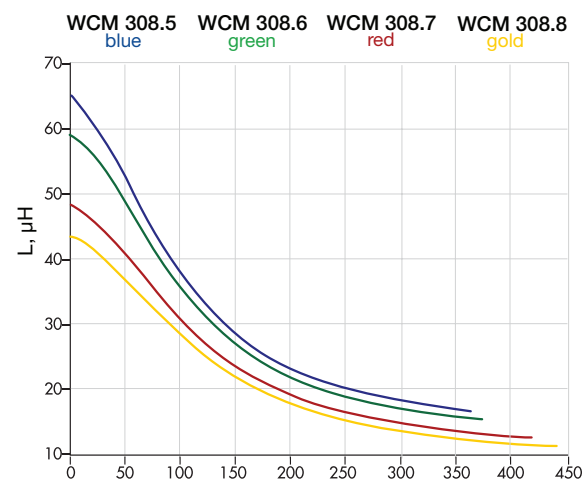
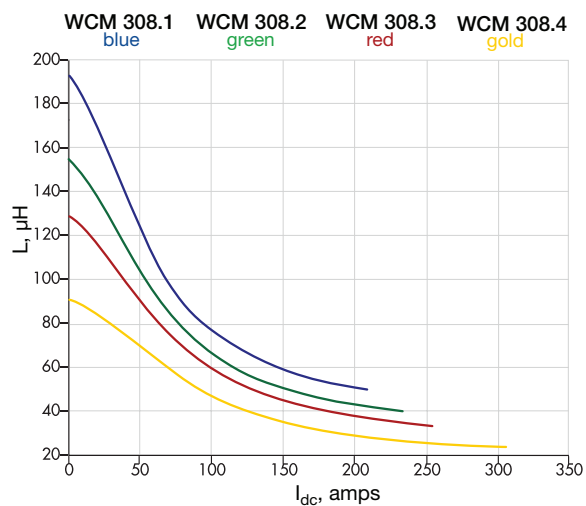
Product Code	Inductance (μH)	DCR (mOhms)	Current Rating* I _{rms} 40° C	Current Rating* I _{rms} 80° C	Current Rating* I _{rms} 120° C
WCM308-01	193.4	14.72	20	28	34
WCM308-02	154.8	11.29	22	32	39
WCM308-03	128.7	9.01	25	36	44
WCM308-04	90.5	6.04	31	44	54
WCM308-05	64.8	4.06	38	53	66
WCM308-06	59.0	3.62	40	57	70

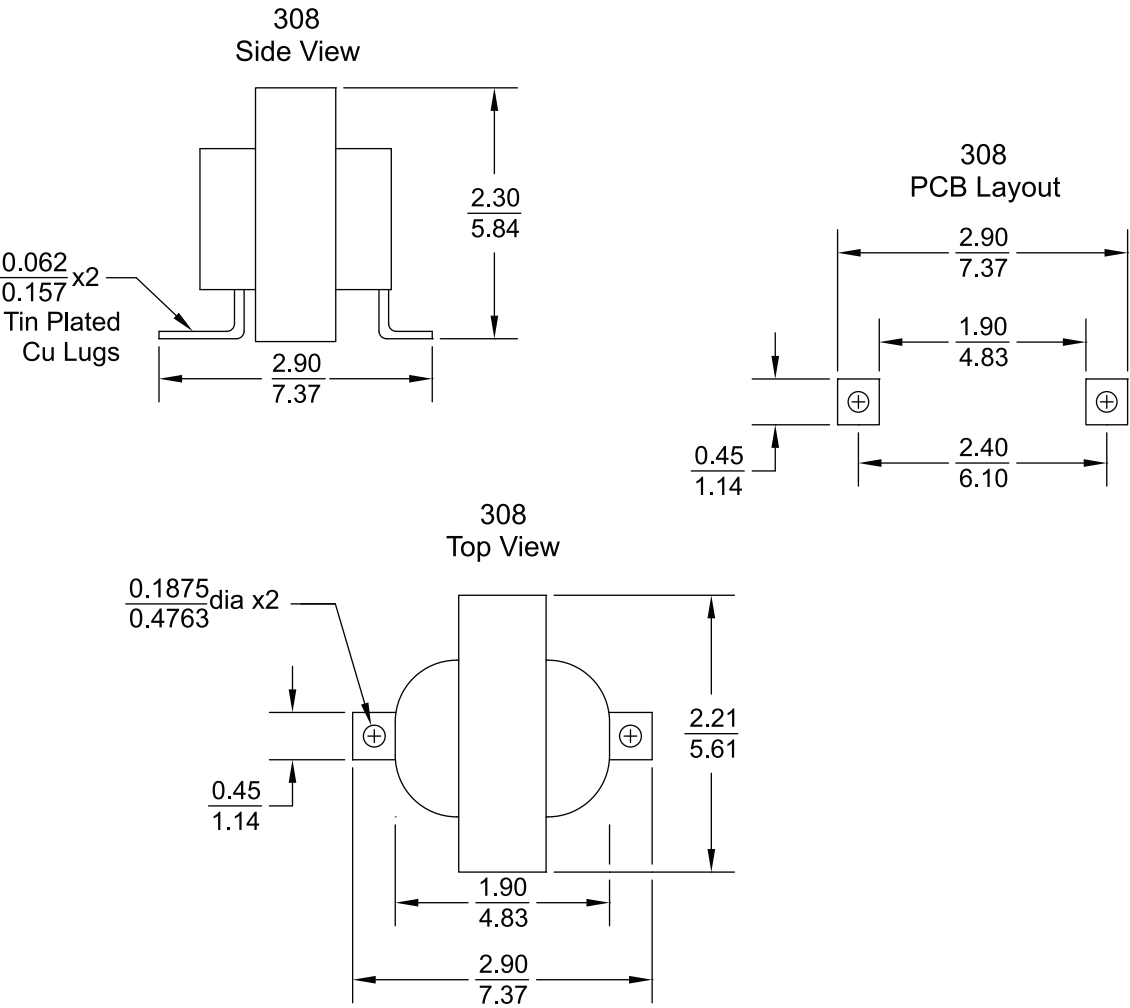


Engineering Data Continued

Product Code	Inductance (μH)	DCR (mOhms)	Current Rating* I _{rms} 40° C	Current Rating* I _{rms} 80° C	Current Rating* I _{rms} 120° C
WCM308-07	48.3	2.94	44	63	77
WCM308-08	43.4	2.58	47	67	82
WCM308-09	30.1	1.84	55	79	97
WCM308-10	26.2	1.51	62	88	108
WCM308-11	19.3	1.15	70	101	124
WCM308-12	16.2	0.95	78	111	136
WCM308-13	13.4	0.75	88	125	152
WCM308-14	10.8	0.65	95	134	165
WCM308-15	8.6	0.50	108	152	188

Graphs WCM308 Series





Dimensions:

Inches
mm

Note:

Please specify vertical or horizontal mount with your order.