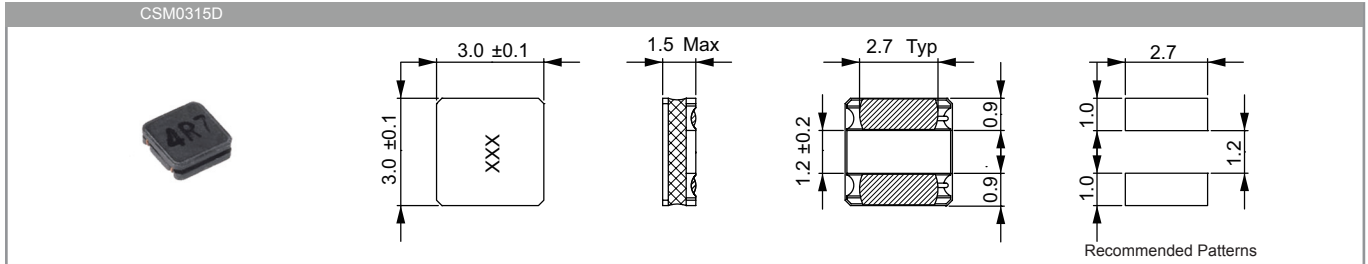


SMD WIRE WOUND POWER INDUCTORS

CSM0315D Series (SHIELDED)

Mechanical Dimensions (Unit: mm)



Electrical Specification

Part Number	Marking	Inductance (μH)	Test Freq. (MHz)	DCR (Ω)	Isat (A)	Irms (A)	Inductance Tolerance
				Max	Max	Max	
CSM0315D-1R0N-LRH	1R0	1.0	1	0.0360	2.10	2.10	M:±20% N:±30%
CSM0315D-1R5N-LRH	1R5	1.5	1	0.0480	1.80	1.90	
CSM0315D-1R8M-LRH	1R8	1.8	1	0.0650	1.75	1.70	
CSM0315D-2R2M-LRH	2R2	2.2	1	0.0720	1.48	1.60	
CSM0315D-2R7M-LRH	2R7	2.7	1	0.0975	1.52	1.43	
CSM0315D-3R3M-LRH	3R3	3.3	1	0.0960	1.21	1.45	
CSM0315D-3R6M-LRH	3R6	3.6	1	0.1365	1.28	1.20	
CSM0315D-4R7M-LRH	4R7	4.7	1	0.1360	1.08	1.25	
CSM0315D-5R6M-LRH	5R6	5.6	1	0.1625	1.08	1.09	
CSM0315D-6R2M-LRH	6R2	6.2	1	0.2535	1.00	0.86	
CSM0315D-6R8M-LRH	6R8	6.8	1	0.2110	0.90	0.90	
CSM0315D-100M-LRH	100	10	1	0.2678	0.75	0.87	
CSM0315D-120M-LRH	120	12	1	0.4160	0.70	0.68	
CSM0315D-150M-LRH	150	15	1	0.4220	0.58	0.65	
CSM0315D-180M-LRH	180	18	1	0.5590	0.56	0.59	
CSM0315D-220M-LRH	220	22	1	0.5980	0.47	0.55	
CSM0315D-330M-LRH	330	33	1	0.9590	0.39	0.45	
CSM0315D-390M-LRH	390	39	1	1.2940	0.41	0.39	
CSM0315D-430M-LRH	430	43	1	1.3780	0.37	0.37	
CSM0315D-470M-LRH	470	47	1	1.4060	0.32	0.40	
CSM0315D-560M-LRH	560	56	1	1.6640	0.33	0.34	
CSM0315D-680M-LRH	680	68	1	3.5100	0.28	0.23	
CSM0315D-101M-LRH	101	100	1	2.9200	0.23	0.25	

a. Tolerance: N:± 30%, M: ± 20%

b. Test Frequency: 1MHz, 1V

c. Test Equipment:

L/Q : CHROMA CH-3302, HP 4286A or equivalent.

RDC: CHROMA 16502 or equivalent.

d. Operating temperature Range: -40°C to +105°C (Including self-temperature rise)

e. Irms: Based on Temperature increase 40°C (at 20°C)

f. Isat: Based on Inductance decrease 30% (at 20°C)

g. Storage Temp. : -40°C to +85°C

Characteristic Curve

• CSM0315D

