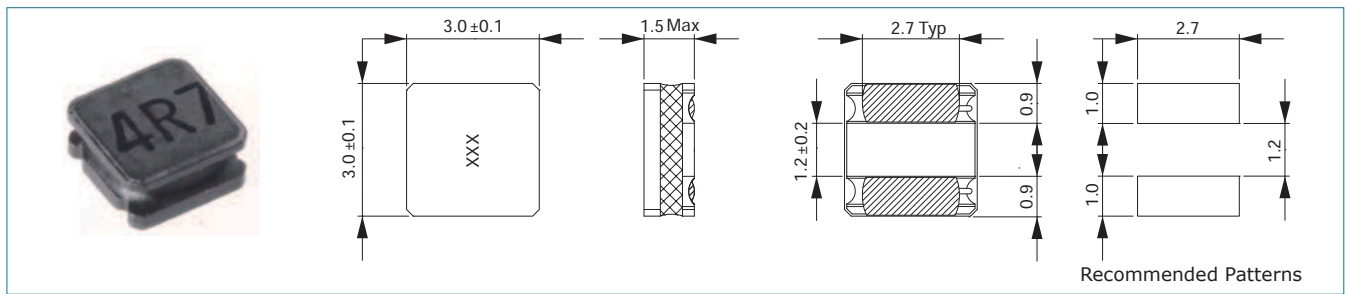


CSM0315D Series

SMD WIRE WOUND POWER INDUCTORS (SHIELDED)

Mechanical Dimensions (Unit: mm)



Electrical Specification

PART NO.	MARK	Inductance (μH)	Test Freq. (MHz)	DCR (Ω)	Isat (A)	I _{rms} (A)	Inductance TOL.
				Max.	Max.	Max.	
CSM0315D1R0NP00	1R0	1.0	1	0.0360	2.10	2.10	M: ± 20% N: ± 30%
CSM0315D1R5NP00	1R5	1.5	1	0.0480	1.80	1.90	
CSM0315D1R8MP00	1R8	1.8	1	0.0650	1.75	1.70	
CSM0315D2R2MP00	2R2	2.2	1	0.0720	1.48	1.60	
CSM0315D2R7MP00	2R7	2.7	1	0.0975	1.52	1.43	
CSM0315D3R3MP00	3R3	3.3	1	0.0960	1.21	1.45	
CSM0315D3R6MP00	3R6	3.6	1	0.1365	1.28	1.20	
CSM0315D4R7MP00	4R7	4.7	1	0.1360	1.08	1.25	
CSM0315D5R1MP00	5R1	5.1	1	0.1625	1.08	1.09	
CSM0315D6R2MP00	6R2	6.2	1	0.2535	1.00	0.86	
CSM0315D6R8MP00	6R8	6.8	1	0.1920	0.90	0.90	
CSM0315D100MP00	100	10	1	0.2678	0.75	0.87	
CSM0315D120MP00	120	12	1	0.4160	0.70	0.68	
CSM0315D150MP00	150	15	1	0.4220	0.58	0.65	
CSM0315D180MP00	180	18	1	0.5590	0.56	0.59	
CSM0315D220MP00	220	22	1	0.5980	0.47	0.55	
CSM0315D330MP00	330	33	1	0.9590	0.39	0.45	
CSM0315D390MP00	390	39	1	1.2940	0.41	0.39	
CSM0315D430MP00	430	43	1	1.3780	0.37	0.37	
CSM0315D470MP00	470	47	1	1.4060	0.32	0.40	
CSM0315D560MP00	560	56	1	1.6640	0.33	0.34	
CSM0315D680MP00	680	68	1	3.5100	0.28	0.23	
CSM0315D101MP00	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 CH-502BC or equivalent.

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

e. I_{rms}: 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

