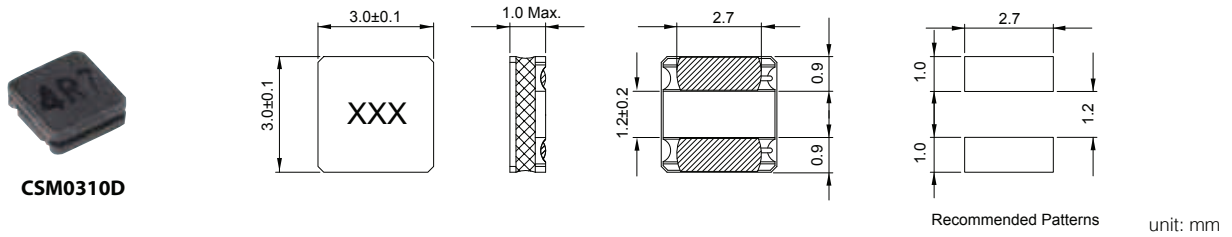


CSM0310D Series (SHIELDED)

SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance (μH)	Test Freq. (MHz)	DCR (Ω)	Isat (A)	I _{rms} (A)	Inductance Tolerance
				Max.	Max.	Max.	
CSM0310D-1R0N-LRH	1R0	1.00	1	0.078	1.70	1.525	M: ±20% N: ±30%
CSM0310D-1R5N-LRH	1R5	1.50	1	0.096	1.40	1.470	
CSM0310D-2R2M-LRH	2R2	2.20	1	0.114	1.25	1.270	
CSM0310D-2R7M-LRH	2R7	2.70	1	0.169	1.00	1.020	
CSM0310D-3R3M-LRH	3R3	3.30	1	0.192	0.90	1.130	
CSM0310D-3R6M-LRH	3R6	3.60	1	0.215	0.95	0.900	
CSM0310D-4R7M-LRH	4R7	4.70	1	0.228	0.85	0.925	
CSM0310D-5R6M-LRH	5R6	5.60	1	0.342	0.72	0.820	
CSM0310D-6R8M-LRH	6R8	6.80	1	0.360	0.66	0.710	
CSM0310D-100M-LRH	100	10.0	1	0.540	0.53	0.630	
CSM0310D-150M-LRH	150	15.0	1	0.888	0.42	0.475	
CSM0310D-180M-LRH	180	18.0	1	0.793	0.42	0.470	
CSM0310D-220M-LRH	220	22.0	1	1.176	0.36	0.430	
CSM0310D-270M-LRH	270	27.0	1	1.404	0.30	0.350	
CSM0310D-330M-LRH	330	33.0	1	1.860	0.28	0.345	
CSM0310D-390M-LRH	390	39.0	1	2.275	0.28	0.280	
CSM0310D-470M-LRH	470	47.0	1	2.400	0.24	0.270	

- Tolerance: N = ± 30% ; M = ± 20%
- Test Equipment:
L/Q: CHROMA CH-3302, HP 4286A or equivalent.
RDC: CHROMA 16502 or equivalent.
- Isat: Based on Inductance decrease 30% (at 20°C)
- I_{rms}: Based on Temperature increase 40°C (at 20°C)
- Operating temperature Range: -40°C to +125°C (Including self-temperature rise)
- Storage Temp.: -40°C to +85°C

CHARACTERISTIC CURVE

CSM0310D Series

