

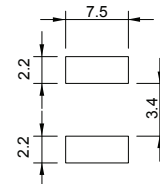
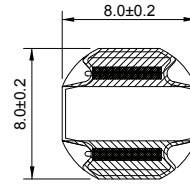
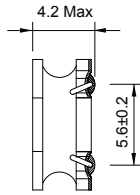
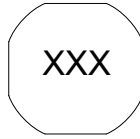
CSM0840D Series (SHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



CSM0840D



Recommended Patterns

unit: mm

ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance (μH)	Test Freq. (KHz)	DCR (mΩ)	Isat (A)	Irms (A)	SRF (MHz)	Inductance Tolerance	
				Max.	Max.	Max.	Min.		
CSM0840D-R90N-LRH	R90	0.90	100	7.80	12.0	8.00	85.0	±30%	
CSM0840D-1R4N-LRH	1R4	1.40	100	9.10	10.8	7.80	63.0		
CSM0840D-2R0N-LRH	2R0	2.00	100	11.7	9.00	7.40	50.0		
CSM0840D-2R2N-LRH	2R2	2.20	100	15.6	7.50	6.00	41.0		
CSM0840D-3R3N-LRH	3R3	3.30	100	19.5	7.00	5.10	27.0		
CSM0840D-3R6N-LRH	3R6	3.60	100	19.5	6.00	4.90	34.0		
CSM0840D-4R7N-LRH	4R7	4.70	100	23.4	5.50	4.60	30.0		
CSM0840D-6R8N-LRH	6R8	6.80	100	31.2	5.00	4.40	24.0		
CSM0840D-100M-LRH	100	10.0	100	45.0	4.00	3.80	22.0		±20%
CSM0840D-150M-LRH	150	15.0	100	61.1	3.00	2.80	16.0		
CSM0840D-220M-LRH	220	22.0	100	89.7	2.80	2.60	13.0		
CSM0840D-330M-LRH	330	33.0	100	126.1	2.00	1.80	12.0		
CSM0840D-470M-LRH	470	47.0	100	176.8	1.90	1.75	8.00		
CSM0840D-680M-LRH	680	68.0	100	254.8	1.70	1.45	7.00		
CSM0840D-101M-LRH	101	100	100	377.0	1.10	1.10	6.00		

- Tolerance: N=± 30%, M=± 20%
- Test Equipment:
L/Q: CHROMA-3302.
SRF: HP-4291B or equivalent.
RDC: CH16502 or equivalent.
- Isat: Based on Inductance decrease 30% (at 20°C)
- Iirms: Based on Temperature increase 40°C (at 20°C)
- Operating temperature range: -25°C to +120°C (Including self-temperature rise)
- Storage Temp.: -40°C to +85°C

CHARACTERISTIC CURVE

CSM0840D Series

