

SMD POWER CHOKE CSN042C (Unshielded)

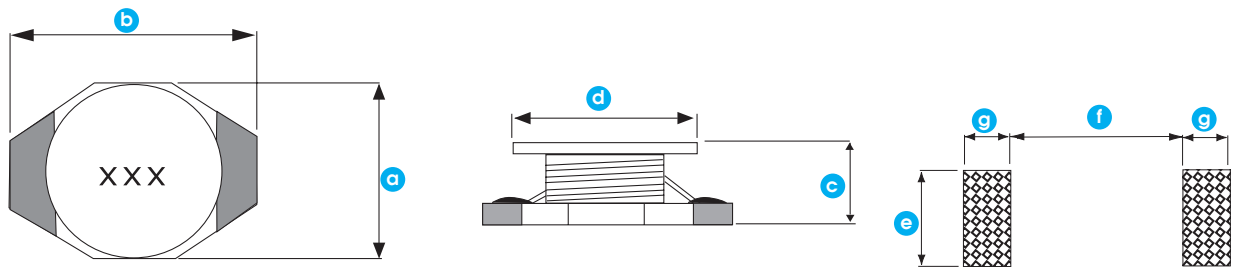
A. Electrical Specifications:

Part Number	Marking	L (uH)	Test Freq.	DCR (max.) Ω	I rms. (A)	I sat. (A)
CSN042C-1R0M	102	1.0	100 KHz	0.05	2.90	2.90
CSN042C-1R5M	152	1.5	100 KHz	0.05	2.80	2.60
CSN042C-2R2M	222	2.2	100 KHz	0.07	2.40	2.30
CSN042C-2R7M	272	2.7	100 KHz	0.07	2.40	2.30
CSN042C-3R3M	332	3.3	100 KHz	0.08	2.00	2.00
CSN042C-4R7M	472	4.7	100 KHz	0.09	1.50	1.50
CSN042C-6R8M	682	6.8	100 KHz	0.13	1.40	1.20
CSN042C-100M	103	10	100 KHz	0.16	1.10	1.10
CSN042C-150M	153	15	100 KHz	0.23	1.20	0.90
CSN042C-220M	223	22	100 KHz	0.37	0.80	0.70
CSN042C-330M	333	33	100 KHz	0.51	0.60	0.58
CSN042C-470M	473	47	100 KHz	0.64	0.50	0.50
CSN042C-680M	683	68	100 KHz	0.86	0.40	0.40
CSN042C-101M	104	100	100 KHz	1.27	0.30	0.31
CSN042C-151M	154	150	100 KHz	2.00	0.25	0.27
CSN042C-221M	224	220	100 KHz	3.11	0.20	0.22
CSN042C-331M	334	330	100 KHz	3.80	0.16	0.18
CSN042C-471M	474	470	100 KHz	5.06	0.15	0.16
CSN042C-681M	684	680	100 KHz	9.20	0.12	0.14
CSN042C-102M	105	1000	100 KHz	13.80	0.07	0.10

B. Features:

1. Tolerance: M: $\pm 20\%$, L: $\pm 15\%$, K: $\pm 10\%$.
2. Operating Temp. : -25°C TO $+85^{\circ}\text{C}$
3. Electrical specifications at $+25^{\circ}\text{C}$.
4. Inductance measured using the HP4284A LCR meter.
5. DCR measured using the 502BC milli-ohm meter.
6. Inductance drops no more than 10% at rated I sat.
7. Temperature rises $\Delta t < 15^{\circ}\text{C}$ (Typ.) at rated I rms.

C. Mechanical Dimensions: (Unit: mm)

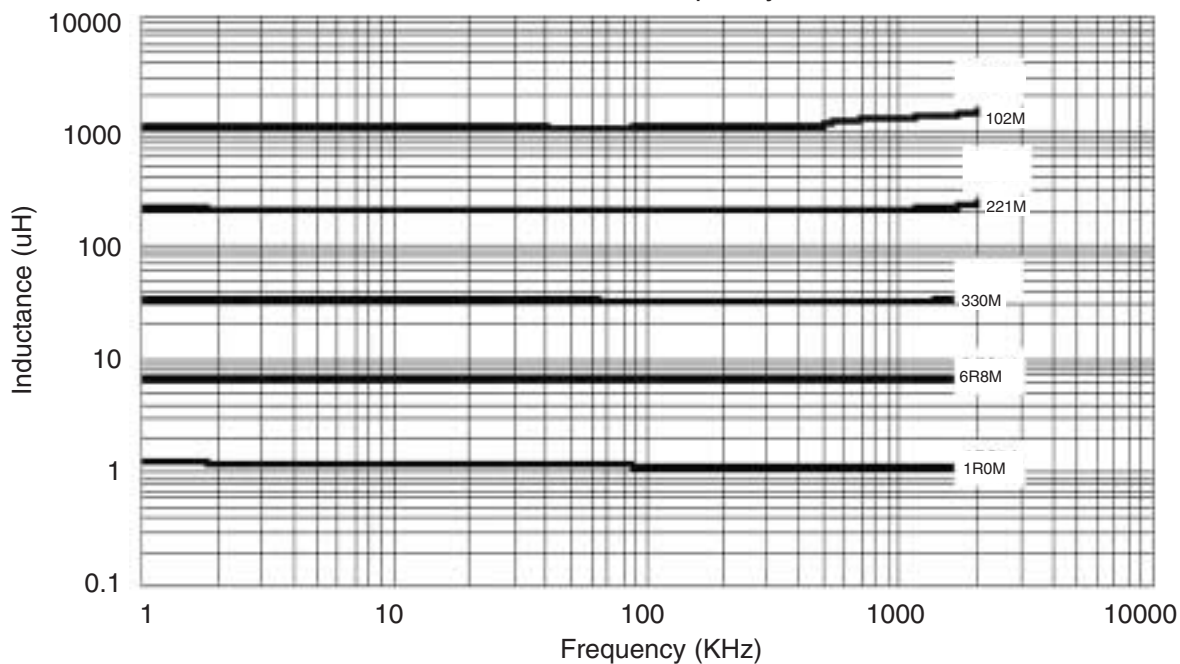


SERIES	a	b (MAX)	c (MAX)	d (REF)	e	f	g
CSN042C	4.45	6.60	2.92	4.0	3.56	4.06	1.40

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Inductance vs. Frequency



Inductance vs. Current

