



CSN073F Series SMD WIRE WOUND POWER INDUCTORS (UNSHIELDED)

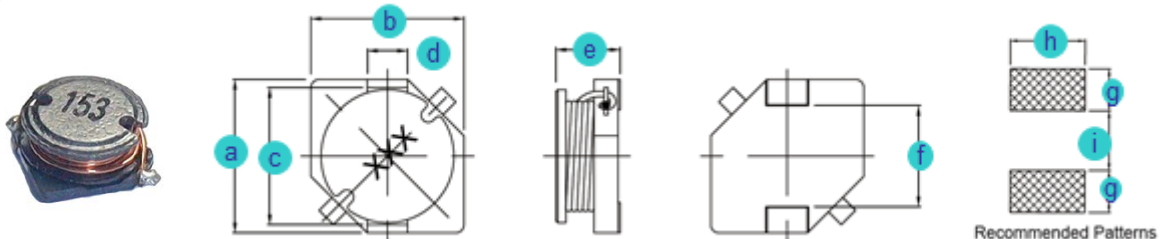
Rev. A

A. Electrical Specifications:

P/N	Marking	Inductance (μH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
CSN073F-1R0M	102	1.0	100	0.022	2.88
CSN073F-1R5M	152	1.5	100	0.026	2.67
CSN073F-1R8M	182	1.8	100	0.056	2.50
CSN073F-2R2M	222	2.2	100	0.032	2.40
CSN073F-3R3M	332	3.3	100	0.041	2.08
CSN073F-4R7M	472	4.7	100	0.049	1.92
CSN073F-6R8M	682	6.8	100	0.067	1.60
CSN073F-100M	103	10.0	100	0.085	1.41
CSN073F-120M	123	12.0	100	0.100	1.28
CSN073F-150M	153	15.0	100	0.130	1.12
CSN073F-180M	183	18.0	100	0.160	1.00
CSN073F-220M	223	22.0	100	0.180	0.93
CSN073F-270M	273	27.0	100	0.240	0.80
CSN073F-330M	333	33.0	100	0.290	0.72
CSN073F-390M	393	39.0	100	0.340	0.66
CSN073F-470M	473	47.0	100	0.410	0.59
CSN073F-560M	563	56.0	100	0.480	0.55
CSN073F-680M	683	68.0	100	0.600	0.49
CSN073F-820M	823	82.0	100	0.710	0.44
CSN073F-101M	104	100.0	100	0.950	0.38

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h	i
CSN073F	7.6 (0.299)	7.6 (0.299)	6.8 (0.268)	2.0 (0.079)	3.5 (0.138)	3.9 (0.154)	2.5 (0.098)	3.0 (0.118)	3.5 (0.138)
Tol.	Max.	Max.	Typ.	Typ.	Max.	Typ.	Typ.	Typ.	Typ.



C. General Information:

1. CSN073F-xxx_, "CSN073F" = P/N, "xxx" = Inductance, "_" = Tolerance.
2. Tolerance "_": M = ± 20%, L = ± 15%, K = ± 10%.
3. Operating temperature range: -30°C to +100°C (Including self-heating).
4. Storage temperature: -40°C to +85°C.
5. Inductance measured using the HP4284A and Chroma1 320 & 3302.
6. DCR measured using Chroma 16502 milliohm meter.
7. Inductance drop no more than 10% of initial value at rated current, temperature rise $\Delta t < 40^\circ\text{C}$.
8. Inductance and Current range: From 1.0 μH (2.88A) to 100.0 μH (0.38A).
9. MSL: Level 1.

D. Applications:

1. Game Consoles
2. Set Top Boxes
3. Cables Modems
4. Computers
5. Mobile Communication Devices (Cell Phones, Radios, etc.)
6. PDA, LCD, DVD, BRP, HD

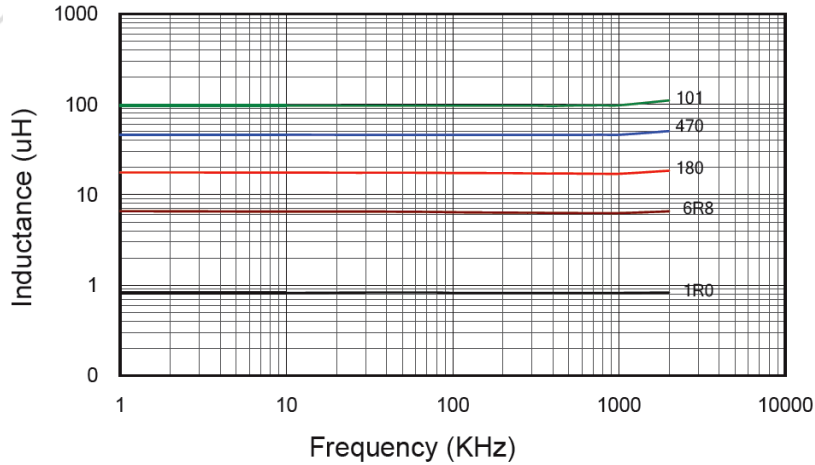


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E. Characteristics Curve:

Inductance vs. Frequency



Inductance vs. DC Current

