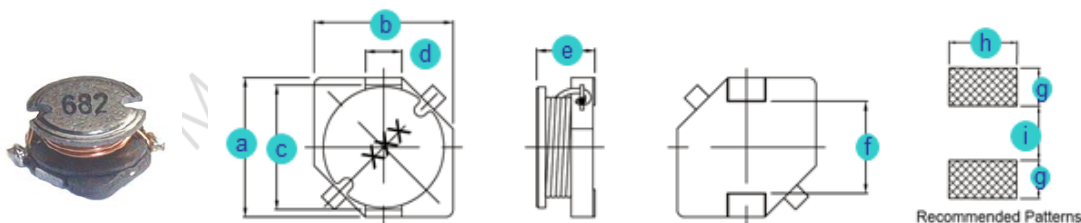


A. Electrical Specifications:

P/N	Marking	Inductance (μH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
CSN075F-1R0M	102	1.0	100	0.023	2.88
CSN075F-1R5M	152	1.5	100	0.028	2.56
CSN075F-2R2M	222	2.2	100	0.032	2.36
CSN075F-3R3M	332	3.3	100	0.038	2.16
CSN075F-4R7M	472	4.7	100	0.049	1.88
CSN075F-6R8M	682	6.8	100	0.060	1.68
CSN075F-100M	103	10	100	0.070	1.56
CSN075F-120M	123	12	100	0.080	1.44
CSN075F-150M	153	15	100	0.090	1.36
CSN075F-180M	183	18	100	0.100	1.28
CSN075F-220M	223	22	100	0.120	1.17
CSN075F-270M	273	27	100	0.140	1.07
CSN075F-330M	333	33	100	0.160	1.00
CSN075F-390M	393	39	100	0.190	0.91
CSN075F-470M	473	47	100	0.220	0.84
CSN075F-560M	563	56	100	0.290	0.72
CSN075F-680M	683	68	100	0.340	0.66
CSN075F-820M	823	82	100	0.460	0.58
CSN075F-101M	104	100	100	0.550	0.51
CSN075F-121K	124	120	100	0.670	0.42
CSN075F-151K	154	150	100	0.900	0.37
CSN075F-181K	184	180	100	1.050	0.35
CSN075F-221K	224	220	100	1.350	0.29
CSN075F-271K	274	270	100	1.550	0.28
CSN075F-331K	334	330	100	2.050	0.23
CSN075F-391K	394	390	100	2.300	0.215
CSN075F-471K	474	470	100	2.600	0.195

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h	i
CSN075F	7.6 (0.299)	7.6 (0.299)	6.8 (0.268)	2.0 (0.079)	5.1 (0.201)	5.4 (0.213)	2.0 (0.079)	3.0 (0.118)	4.4 (0.173)
Tol.	Max.	Max.	Typ.	Typ.	Max.	Typ.	Typ.	Typ.	Typ.



C. General Information:

1. CSN075F-xxx, "CSN075F" = 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 Chroma1320 & 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 470.0 μH (0.195A).
9. MSL: Level 1.



CSN075F Series SMD WIRE WOUND POWER INDUCTORS (UNSHIELDED)

Rev. A

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

E. Characteristics Curve:

