CSN104D Series
SMD WIRE WOUND POWER INDUCTORS (UNSHIELDED)
Rev. A

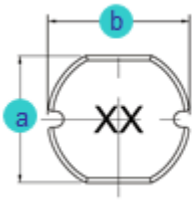
A. Electrical Specifications:

P/N	Marking	Inductance (µH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
CSN104D-100M	100	10	100	0.053	2.38
CSN104D-120M	120	12	100	0.061	2.13
CSN104D-150M	150	15	100	0.070	1.87
CSN104D-180M	180	18	100	0.081	1.73
CSN104D-220M	220	22	100	0.088	1.60
CSN104D-270M	270	27	100	0.100	1.44
CSN104D-330M	330	33	100	0.120	1.26
CSN104D-390M	390	39	100	0.151	1.20
CSN104D-470M	470	47	100	0.170	1.10
CSN104D-560K	560	56	100	0.199	1.01
CSN104D-680K	680	68	100	0.223	0.91
CSN104D-820K	820	82	100	0.252	0.85
CSN104D-101K	101	100	10	0.344	0.74
CSN104D-121K	121	120	10	0.396	0.69
CSN104D-151K	151	150	10	0.544	0.61
CSN104D-181K	181	180	10	0.621	0.56
CSN104D-221K	221	220	10	0.721	0.53
CSN104D-271K	271	270	10	0.949	0.45
CSN104D-331K	331	330	10	1.100	0.42
CSN104D-391K	391	390	10	1.245	0.38
CSN104D-471K	471	470	10	1.526	0.35
CSN104D-561K	561	560	10	1.904	0.32
CSN104D-102K	102	1000	1	3.800	0.16

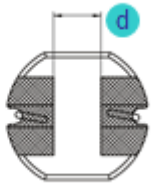
B. Dimensions: mm (Inch)

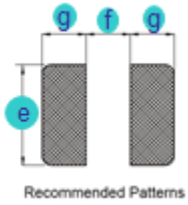
Series	a	b	c	d	e	f	g
CSN104D	9.0 (0.354)	10.0 (0.394)	4.0 (0.157)	2.2 (0.087)	9.5 (0.374)	2.5 (0.098)	3.75 (0.148)
Tol.	±0.3 (0.012)	±0.3 (0.012)	±0.5 (0.020)	Typ.	Typ.	Typ.	Typ.











C. General Information:

1. CSN104D-xxx_, “CSN104D” = P/N, “xxx” = Inductance, “_” = Tolerance.
2. Tolerance “_”: M: ± 20%, L= ± 15%, K = ±10%.
3. Operating temperature range: -30ºC to +100ºC (Including self-heating).
4. Storage temperature: -40ºC to +85ºC.
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 Δt < 40ºC.
8. Inductance and Current range: From 10.0 µH (2.38A) to 1000.0 µH (0.16A).
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

E. Characteristics Curve:

