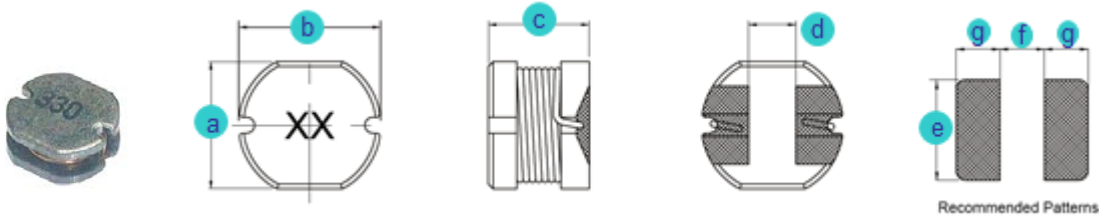


## A. Electrical Specifications:

P/N	Marking	Inductance ( $\mu$ H)	Test Freq. (KHz)	DCR Max. ( $\Omega$ )	Rated Current (A)
CSN073D-100M	100	10	100	0.0803	1.44
CSN073D-120M	120	12	100	0.0897	1.39
CSN073D-150M	150	15	100	0.104	1.24
CSN073D-180M	180	18	100	0.111	1.12
CSN073D-220M	220	22	100	0.129	1.07
CSN073D-270M	270	27	100	0.153	0.94
CSN073D-330M	330	33	100	0.170	0.85
CSN073D-390M	390	39	100	0.217	0.74
CSN073D-470M	470	47	100	0.252	0.68
CSN073D-560K	560	56	100	0.282	0.64
CSN073D-680K	680	68	100	0.332	0.59
CSN073D-820K	820	82	100	0.406	0.54
CSN073D-101K	101	100	10	0.481	0.51
CSN073D-121K	121	120	10	0.536	0.49
CSN073D-151K	151	150	10	0.755	0.40
CSN073D-181K	181	180	10	1.022	0.36
CSN073D-221K	221	220	10	1.200	0.31
CSN073D-271K	271	270	10	1.306	0.29
CSN073D-331K	331	330	10	1.495	0.28

## B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g
CSN073D	7.0 (0.276)	7.8 (0.307)	3.5 (0.138)	1.6 (0.063)	7.5 (0.295)	2.0 (0.079)	3.0 (0.118)
Tol.	$\pm 0.3$ (0.012)	$\pm 0.3$ (0.012)	$\pm 0.5$ (0.020)	Typ.	Typ.	Typ.	Typ.



## C. General Information:

1. CSN073D-xxx, "CSN073D" = P/N, "xxx" = Inductance, "\_" = Tolerance.
2. Tolerance "\_": M:  $\pm 20\%$ , L:  $\pm 15\%$ , K =  $\pm 10\%$ .
3. Operating temperature range:  $-30^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$  (Including self-heating).
4. Storage temperature:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .
5. Inductance measured using the HP4284A and Chromal 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  $10.0 \mu\text{H}$  (1.44A) to  $330.0 \mu\text{H}$  (0.28A).
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



# CSN073D Series SMD WIRE WOUND POWER INDUCTORS (UNSHIELDED)

Rev. A

## E. Characteristics Curve:

