CSS075D Series
SMD WIRE WOUND POWER INDUCTORS (SHIELDED)
Rev. A

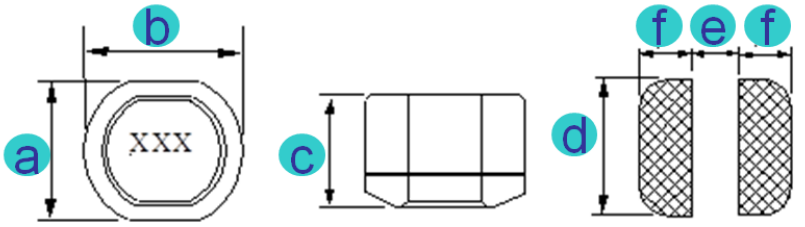
A. Electrical Specifications:

P/N	Marking	Inductance (µH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A) Max.
CSS075D-100_	100	10	100	0.06	2.06
CSS075D-120_	120	12	100	0.07	1.94
CSS075D-150_	150	15	100	0.07	1.72
CSS075D-180_	180	18	100	0.08	1.58
CSS075D-220_	220	22	100	0.08	1.42
CSS075D-270_	270	27	100	0.10	1.32
CSS075D-330_	330	33	100	0.11	1.16
CSS075D-390_	390	39	100	0.12	1.10
CSS075D-470_	470	47	100	0.14	1.00
CSS075D-560_	560	56	100	0.19	0.93
CSS075D-680_	680	68	100	0.21	0.85
CSS075D-820_	820	82	100	0.28	0.79
CSS075D-101_	101	100	10	0.34	0.72
CSS075D-121_	121	120	10	0.37	0.63
CSS075D-151_	151	150	10	0.51	0.55
CSS075D-181_	181	180	10	0.57	0.50
CSS075D-221_	221	220	10	0.78	0.47
CSS075D-271_	271	270	10	0.87	0.41
CSS075D-331_	331	330	10	1.20	0.37
CSS075D-391_	391	390	10	1.34	0.35
CSS075D-471_	471	470	10	1.50	0.33

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f
CSS075D	9.0 (0.354)	10.0 (0.394)	5.0 (0.197)	9.5 (0.0.374)	2.5 (0.098)	5.0 (0.197)
Tol.	±0.4 (0.016)	±0.4 (0.016)	±0.5 (0.020)	Typ.	Typ.	Typ.





C. General Information:

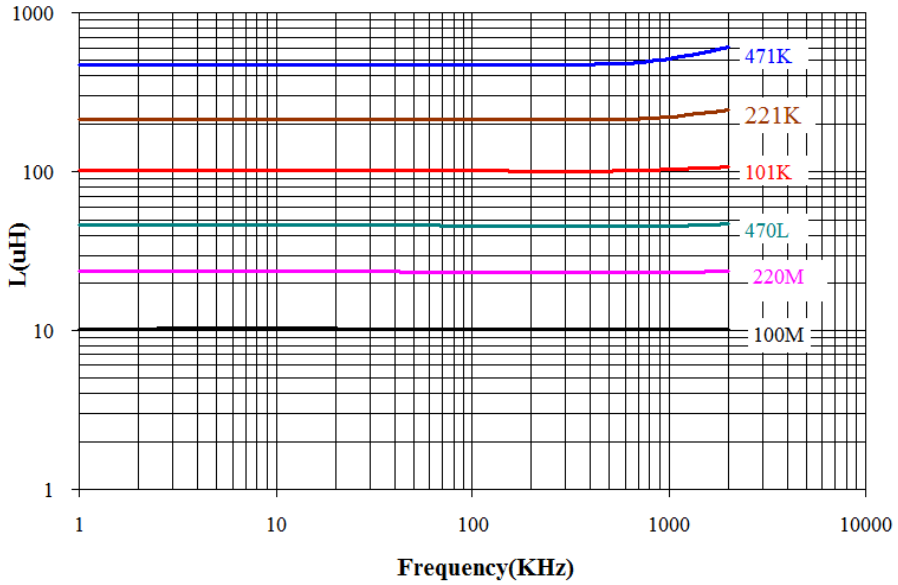
1. P/N: CSS075D-xxx_, “CSS075D” = Type, “xxx” = Inductance, “_” = Tolerance.
2. Tolerance “_” : M = ± 20%.
3. Operating temperature range: -25ºC to +85ºC (Including self-generated heat).
4. Inductance measured using the HP4284A LCR meter.
5. DCR measured using 502BC milli-ohm meter.
6. Inductance drop no more than 10% of initial value at rated current, temperature rise Δt < 40ºC.
7. Inductance and Current range: From 10 µH (2.06A) to 470 µH (0.33A).
8. 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:

L vs. Frequency:



L vs. Current:

