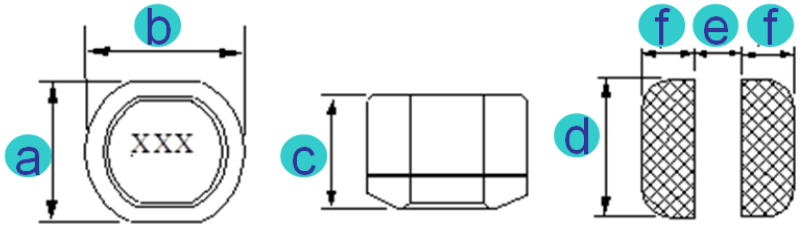
CSS063D Series
SMD WIRE WOUND POWER INDUCTORS (SHIELDED)
Rev. A

A. Electrical Specifications:

P/N	Marking	Inductance (µH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A) Max.
CSS063D-100_	100	10	100	0.14	1.00
CSS063D-120_	120	12	100	0.16	0.94
CSS063D-150_	150	15	100	0.18	0.86
CSS063D-180_	180	18	100	0.25	0.78
CSS063D-220_	220	22	100	0.32	0.76
CSS063D-270_	270	27	100	0.36	0.64
CSS063D-330_	330	33	100	0.41	0.61
CSS063D-390_	390	39	100	0.47	0.53
CSS063D-470_	470	47	100	0.51	0.50
CSS063D-560_	560	56	100	0.72	0.46
CSS063D-680_	680	68	100	0.82	0.42

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f
CSS063D	5.6 (0.220)	6.2 (0.244)	3.2 (0.126)	5.5 (0.217)	1.7 (0.067)	2.25 (0.089)
Tol.	±0.3 (0.012)	±0.3 (0.012)	±0.3 (0.012)	Typ.	Typ.	Typ.



C. General Information:

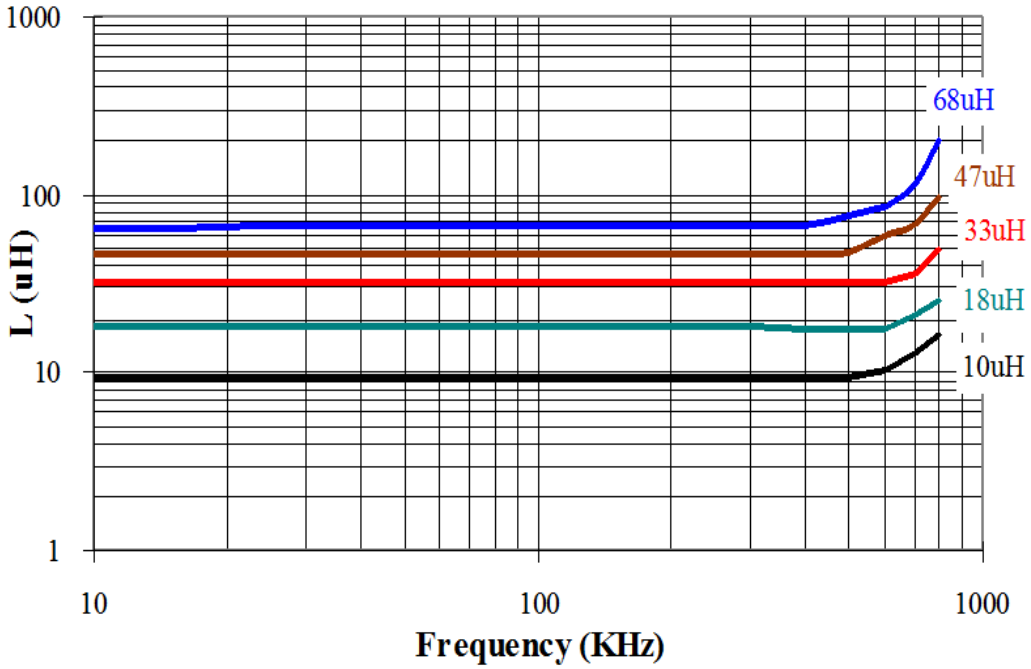
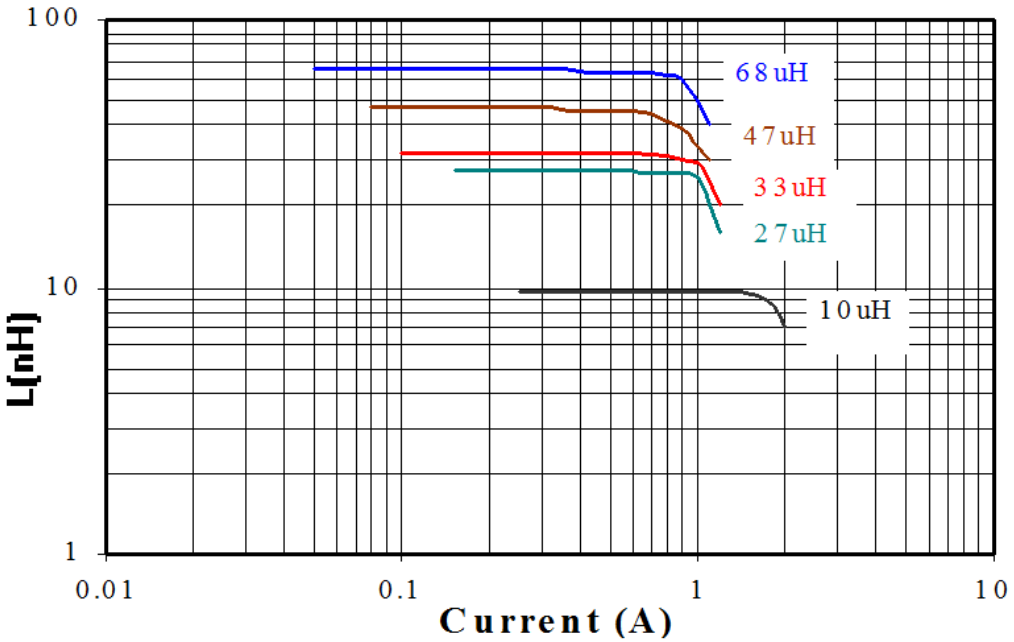
1. P/N: CSS063D-xxx_, “CSS063D” = Type, “xxx” = Inductance, “_” = Tolerance.
2. Tolerance “_” : M = ± 20%.
3. Operating temperature range: -25ºC to +85ºC (Including self-generated heat).
4. Inductance measured using the HP4284A LCR meter.
5. DCR measured using 502BC milli-ohm meter.
6. Inductance drop no more than 10% of initial value at rated current, temperature rise Δt < 40ºC.
7. Inductance and Current range: From 10 µH (1.00A) to 68 µH (0.42A).
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: