



CSS063D Series SMD WIRE WOUND POWER INDUCTORS (SHIELDED)

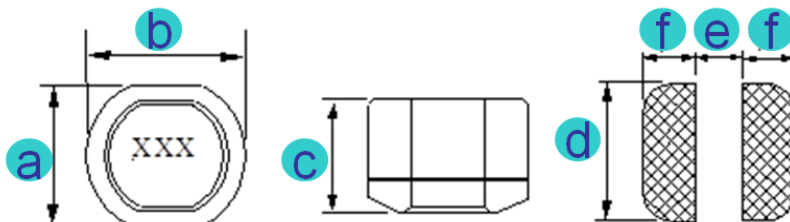
Rev. A

A. Electrical Specifications:

P/N	Marking	Inductance (μ H)	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 = $\pm 20\%$.
3. Operating temperature range: -25°C to $+85^{\circ}\text{C}$ (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 $\Delta t < 40^{\circ}\text{C}$.
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.

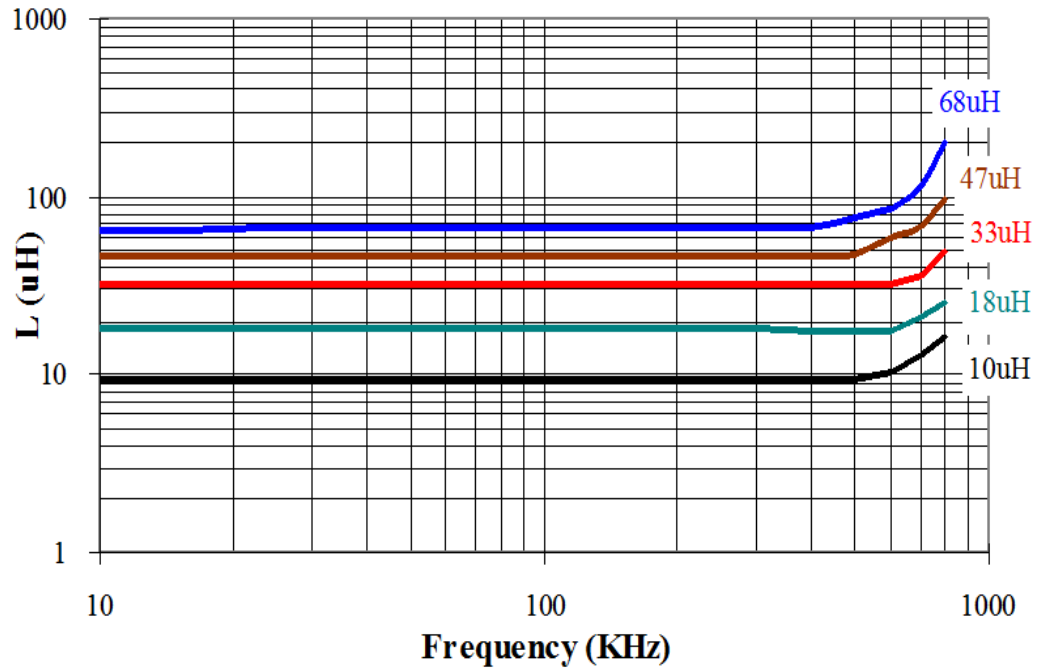


CSS063D Series SMD WIRE WOUND POWER INDUCTORS (SHIELDED)

Rev. A

E. Characteristics Curve:

L vs. Frequency:



L vs. Current:

