



CSS0218P Series SMD WIRE WOUND POWER INDUCTORS (SHIELDED)

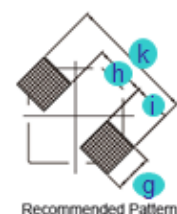
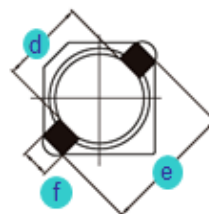
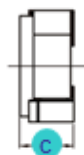
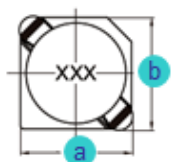
Rev. A

A. Electrical Specifications:

P/N	Marking	Inductance (μ H)	Test Freq. (KHz)	DCR Max. (m Ω)	Rated Current (mA)	I sat (mA)
CSS0218P-2R2N	2R2	2.2	100	41	2300	850
CSS0218P-3R3N	3R3	3.3	100	54	2100	750
CSS0218P-4R7N	4R7	4.7	100	78	1650	630
CSS0218P-6R8N	6R8	6.8	100	106	1320	520
CSS0218P-100N	100	10.0	100	180	1000	430
CSS0218P-150N	150	15.0	100	220	800	350
CSS0218P-220N	220	22.0	100	320	680	300
CSS0218P-330N	330	33.0	100	460	560	240
CSS0218P-470N	470	47.0	100	660	480	200

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h	i	k
CSS0218P	3.2 (0.126)	3.2 (0.126)	2.0 (0.079)	$\varnothing$ 2.1 (0.083)	3.3 (0.130)	1.0 (0.039)	1.3 (0.051)	1.7 (0.067)	1.3 (0.051)	4.3 (0.169)
Tol.	Max.	Max.	Max.	$\pm$ 0.1 (0.004)	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.



C. General Information:

1. CSS0218P-xxx_, "CSS0218P" = P/N, "xxx" = Inductance, "_" = Tolerance.
2. Tolerance "_": N: $\pm$ 30%, M: $\pm$ 20%, L: $\pm$ 15%.
3. Operating temperature range: -30°C to +100°C (Including self-heating).
4. Storage temperature: -40°C to +85°C.
5. Inductance measured using the HP4284A and Chroma1320 & 3302.
6. DCR measured using Chroma 16502 milliohm meter.
7. Inductance drop no more than 35% of initial value at Isat, temperature rise $\Delta t < 40^\circ\text{C}$ at rated current.
8. Inductance and Current range: From 2.2 μ H (2300mA) to 47.0 μ H (480mA).
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.

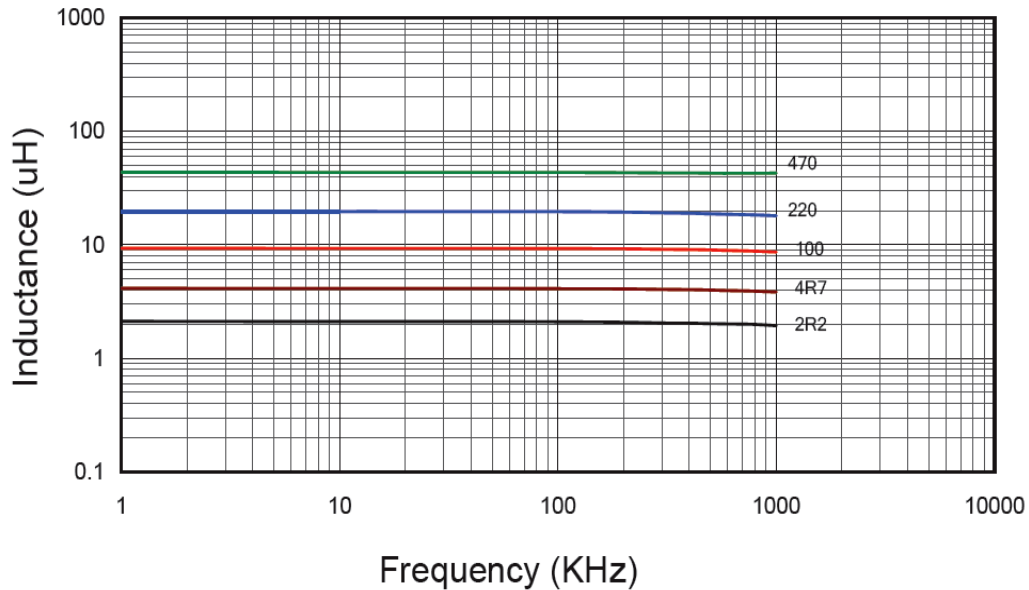


CSS0218P Series SMD WIRE WOUND POWER INDUCTORS (SHIELDED)

Rev. A

E. Characteristics Curve:

Inductance vs. Frequency



Inductance vs. DC Current

