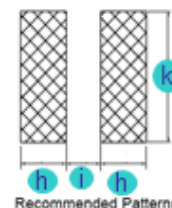
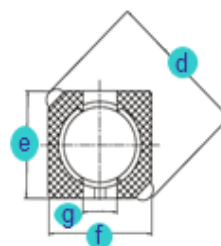
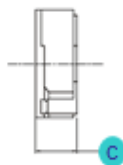
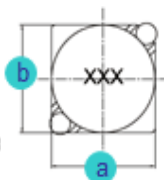


A. Electrical Specifications:

P/N	Marking	Inductance (μH)	Test Freq.	DCR Max. (mΩ)	Rated Current (A)
CSS0418P-1R0N	1R0	1.0	7.96MHz	45	1.72
CSS0418P-2R2N	2R2	2.2	7.96MHz	75	1.32
CSS0418P-2R7N	2R7	2.7	7.96MHz	105	1.28
CSS0418P-3R3N	3R3	3.3	7.96MHz	110	1.04
CSS0418P-3R9N	3R9	3.9	7.96MHz	155	0.88
CSS0418P-4R7N	4R7	4.7	7.96MHz	162	0.84
CSS0418P-5R6N	5R6	5.6	7.96MHz	170	0.80
CSS0418P-6R8N	6R8	6.8	7.96MHz	200	0.76
CSS0418P-8R2N	8R2	8.2	7.96MHz	245	0.68
CSS0418P-100N	100	10	100KHz	200	0.61
CSS0418P-120N	120	12	100KHz	210	0.56
CSS0418P-150N	150	15	100KHz	240	0.50
CSS0418P-180N	180	18	100KHz	338	0.48
CSS0418P-220N	220	22	100KHz	397	0.41
CSS0418P-270N	270	27	100KHz	441	0.35
CSS0418P-330N	330	33	100KHz	694	0.32
CSS0418P-390N	390	39	100KHz	709	0.30

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h	i	k
CSS0418P	4.7 (0.185)	4.7 (0.185)	2.0 (0.079)	6.9 (0.272)	4.5 (0.177)	4.5 (0.177)	1.5 (0.059)	1.9 (0.075)	1.5 (0.059)	5.3 (0.209)
Tol.	±0.3 (0.012)	±0.3 (0.012)	Max.	Max.	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.



C. General Information:

- CSS0418P-xxx_, "CSS0418P" = P/N, "xxx" = Inductance, "_" = Tolerance.
- Tolerance "_": N = ± 30%, M = ± 20%, L = ± 15%.
- Operating temperature range: -30°C to +100°C (Including self-generated heat).
- Storage temperature: -40°C to +85°C.
- Inductance measured using the HP4284A and Chroma1320 & 3302.
- DCR measured using Chroma 16502 milliohm meter.
- Inductance drop no more than 35% of initial value at rated current, temperature rise Δt < 40°C.
- Inductance and Current range: From 1.0 μH (1.72A) to 39.0 μH (0.30A).
- MSL: Level 1.

D. Applications:

- Game Consoles
- Set Top Boxes
- Cables Modems
- Computers
- Mobile Communication Devices (Cell Phones, Radios, etc.)
- PDA, LCD, DVD, BRP, HD.

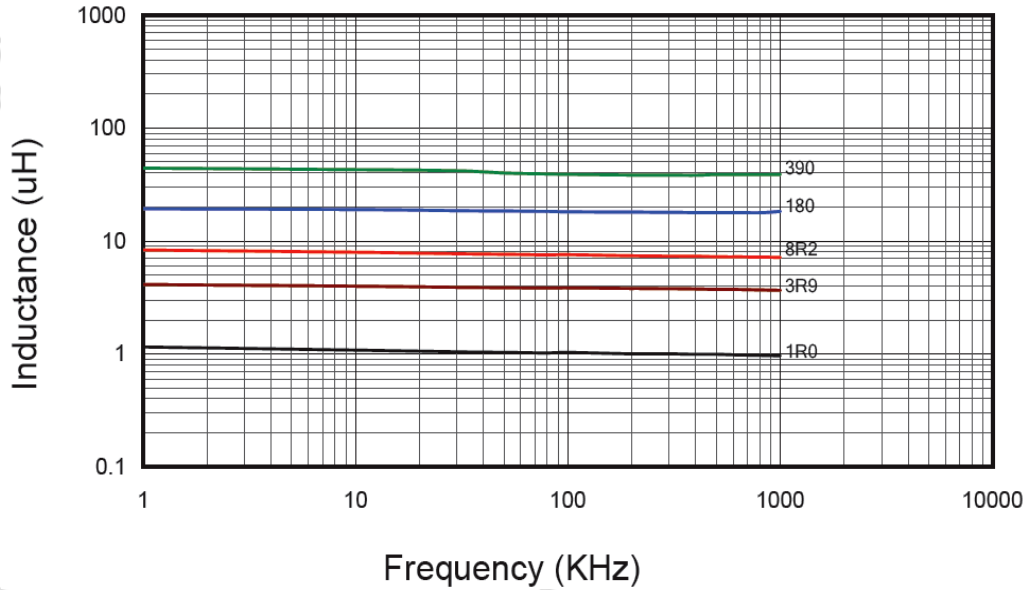


CSS0418P Series SMD WIRE WOUND POWER INDUCTORS (SHIELDED)

Rev. A

E. Characteristics Curve:

Inductance vs. Frequency



Inductance vs. DC Current

