



CSS1050P Series SMD WIRE WOUND POWER INDUCTORS (SHIELDED)

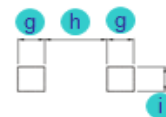
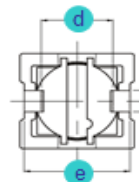
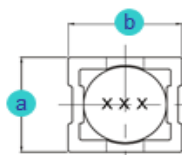
Rev. A

A. Electrical Specifications:

P/N	Marking	Inductance (μ H)	Test Freq. (KHz)	DCR Max. (m Ω)	Rated Current (A)
CSS1050P-100M	100	10	1	50	2.40
CSS1050P-120M	120	12	1	54	2.25
CSS1050P-150M	150	15	1	61	2.00
CSS1050P-180M	180	18	1	84	1.80
CSS1050P-220M	220	22	1	94	1.65
CSS1050P-270M	270	27	1	110	1.45
CSS1050P-330M	330	33	1	150	1.35
CSS1050P-390M	390	39	1	170	1.20
CSS1050P-470M	470	47	1	210	1.10
CSS1050P-560M	560	56	1	230	1.00
CSS1050P-680M	680	68	1	260	0.93
CSS1050P-820M	820	82	1	360	0.84
CSS1050P-101M	101	100	1	410	0.76
CSS1050P-121M	121	120	1	450	0.70
CSS1050P-151M	151	150	1	640	0.63
CSS1050P-181M	181	180	1	840	0.57
CSS1050P-221M	221	220	1	960	0.52
CSS1050P-271M	271	270	1	1070	0.47
CSS1050P-331M	331	330	1	1370	0.43
CSS1050P-391M	391	390	1	1550	0.39
CSS1050P-471M	471	470	1	1740	0.36

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h	i
CSS1050P	8.9 (0.350)	9.8 (0.386)	5.0 (0.197)	5.8 (0.228)	8.8 (0.346)	2.0 (0.079)	2.3 (0.091)	5.4 (0.213)	2.4 (0.094)
Tol.	± 0.3 (0.012)	± 0.3 (0.012)	Max.	Max.	± 0.2 (0.008)	± 0.2 (0.008)	Typ.	Typ.	Typ.



Recommended Patterns

C. General Information:

1. CSS1050P-xxx, "CSS1050P" = P/N, "xxx" = Inductance, "_" = Tolerance.
2. Tolerance "_": N: $\pm 30\%$, M: $\pm 20\%$, L: $\pm 15\%$
3. Operating temperature range: -30°C to $+100^{\circ}\text{C}$ (Including self-generated heat).
4. Storage temperature: -40°C to $+85^{\circ}\text{C}$.
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 rated current, temperature rise $\Delta t < 40^{\circ}\text{C}$
8. Inductance and Current range: From 10.0 μ H (2.40A) to 470.0 μ H (0.36A).
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.



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E. Characteristics Curve:

