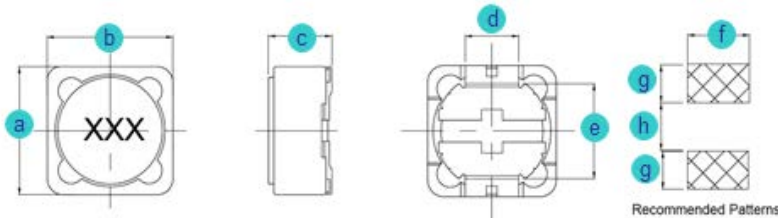


A. Electrical Specifications:

P/N	Marking	Inductance (μ H)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)
CSS125P-1R3N	1R3	1.3 $\pm$ 30%	100	0.012	8.00
CSS125P-2R1N	2R1	2.1 $\pm$ 30%	100	0.014	7.00
CSS125P-3R1N	3R1	3.1 $\pm$ 30%	100	0.017	6.00
CSS125P-4R4N	4R4	4.4 $\pm$ 30%	100	0.020	5.00
CSS125P-5R8N	5R8	5.8 $\pm$ 30%	100	0.021	4.40
CSS125P-7R5N	7R5	7.5 $\pm$ 30%	100	0.024	4.20
CSS125P-100M	100	10 $\pm$ 20%	1	0.025	4.00
CSS125P-120M	120	12 $\pm$ 20%	1	0.027	3.50
CSS125P-150M	150	15 $\pm$ 20%	1	0.030	3.30
CSS125P-180M	180	18 $\pm$ 20%	1	0.034	3.00
CSS125P-220M	220	22 $\pm$ 20%	1	0.036	2.80
CSS125P-270M	270	27 $\pm$ 20%	1	0.051	2.30
CSS125P-330M	330	33 $\pm$ 20%	1	0.057	2.10
CSS125P-390M	390	39 $\pm$ 20%	1	0.068	2.00
CSS125P-470M	470	47 $\pm$ 20%	1	0.075	1.80
CSS125P-560M	560	56 $\pm$ 20%	1	0.110	1.70
CSS125P-680M	680	68 $\pm$ 20%	1	0.120	1.50
CSS125P-820M	820	82 $\pm$ 20%	1	0.140	1.40
CSS125P-101M	101	100 $\pm$ 20%	1	0.160	1.30
CSS125P-121M	121	120 $\pm$ 20%	1	0.170	1.10
CSS125P-151M	151	150 $\pm$ 20%	1	0.230	1.00
CSS125P-181M	181	180 $\pm$ 20%	1	0.290	0.90
CSS125P-221M	221	220 $\pm$ 20%	1	0.400	0.80
CSS125P-271M	271	270 $\pm$ 20%	1	0.460	0.75
CSS125P-331M	331	330 $\pm$ 20%	1	0.510	0.68
CSS125P-391M	391	390 $\pm$ 20%	1	0.690	0.65
CSS125P-471M	471	470 $\pm$ 20%	1	0.770	0.58
CSS125P-561M	561	560 $\pm$ 20%	1	0.860	0.54
CSS125P-681M	681	680 $\pm$ 20%	1	1.200	0.48
CSS125P-821M	821	820 $\pm$ 20%	1	1.340	0.43
CSS125P-102M	102	1000 $\pm$ 20%	1	1.530	0.40

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h
CSS125P	12.0 (0.472)	12.0 (0.472)	6.0 (0.236)	5.0 (0.197)	8.4 (0.331)	5.4 (0.213)	2.8 (0.110)	7.0 (0.276)
Tol.	$\pm$ 0.3 (0.012)	$\pm$ 0.3 (0.012)	Max.	Typ.	Typ.	Typ.	Typ.	Typ.



C. General Information:

1. CSS125P-xxx_, "CSS125P" = 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 25% of initial value at rated current, temperature rise $\Delta t < 40^\circ\text{C}$.
8. Inductance and Current range: From 1.3 μ H (8.00A) to 1000.0 μ H (0.40A).
9. MSL: Level 1.



CSS125P Series SMD WIRE WOUND POWER INDUCTORS (SHIELDED)

Rev. A

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:

