



CSS0630G Series SMD WIRE WOUND POWER INDUCTORS (SHIELDED)

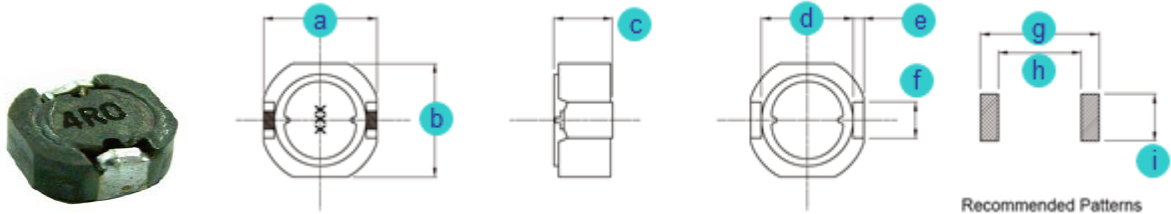
Rev. A

A. Electrical Specifications:

P/N	Marking	Inductance (μH)	Test Freq. (KHz)	DCR Max. (Ω)	Rated Current (A)	I sat (A)
CSS0630G-1R0M	1R0	1.0	100	0.014	3.59	4.03
CSS0630G-1R5M	1R5	1.5	100	0.016	2.93	3.63
CSS0630G-2R2M	2R2	2.2	100	0.020	2.42	3.30
CSS0630G-3R6M	3R6	3.6	100	0.026	1.89	2.83
CSS0630G-4R7M	4R7	4.7	100	0.033	1.66	2.45
CSS0630G-6R2M	6R2	6.2	100	0.039	1.45	2.20
CSS0630G-100M	100	10	100	0.059	1.14	1.77
CSS0630G-120M	120	12	100	0.063	1.04	1.70
CSS0630G-150M	150	15	100	0.075	0.93	1.55
CSS0630G-180M	180	18	100	0.089	0.85	1.41
CSS0630G-220M	220	22	100	0.115	0.77	1.23
CSS0630G-270M	270	27	100	0.144	0.70	1.08
CSS0630G-330M	330	33	100	0.168	0.63	0.99
CSS0630G-390M	390	39	100	0.180	0.58	0.95
CSS0630G-470M	470	47	100	0.225	0.53	0.84
CSS0630G-560M	560	56	100	0.264	0.48	0.76
CSS0630G-680M	680	68	100	0.324	0.44	0.69
CSS0630G-820M	820	82	100	0.396	0.40	0.61
CSS0630G-101M	101	100	100	0.498	0.36	0.54
CSS0630G-151M	151	150	100	0.738	0.31	0.42

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h	i
CSS0630G	6.3 (0.248)	6.2 (0.244)	3.0 (0.118)	4.8 (0.189)	0.6 (0.024)	2.0 (0.079)	6.6 (0.260)	4.6 (0.181)	2.6 (0.102)
Tol.	Max.	Max.	Max.	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.



C. General Information:

1. CSS0603G-xxx_, "CSS0603G" = P/N, "xxx" = Inductance, "_" = Tolerance.
2. Tolerance "_": M = ± 20%, L = ± 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 30% of initial value at rated current, temperature rise Δt < 40°C at rated current.
8. Inductance and Current range: From 1.0μH (3.59A) to 150.0 μH (0.31A).
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.

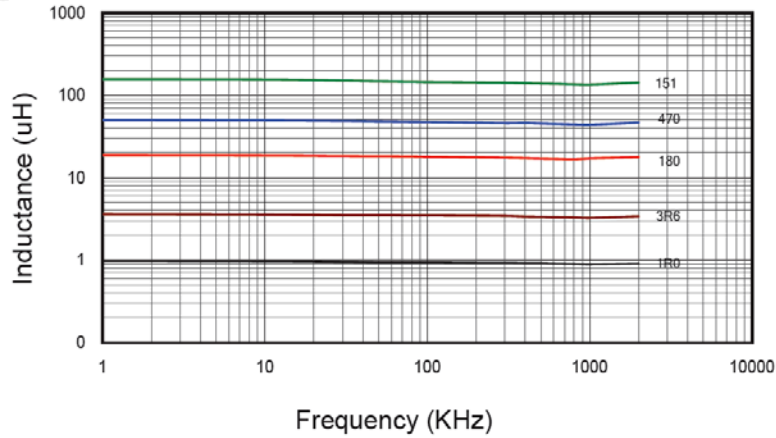


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E. Characteristics Curve:

Inductance vs. Frequency



Inductance vs. DC Current

