CSS1038G Series
SMD WIRE WOUND POWER INDUCTORS (SHIELDED)
Rev. A

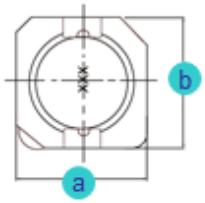
A. Electrical Specifications:

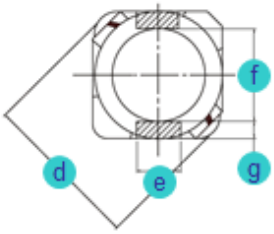
P/N	Marking	Inductance (µH)	Test Freq. (KHz)	DCR Max. (mΩ)	Rated Current (A)	I sat (A)
CSS1038G-1R5N	1R5	1.5	100	8.1	6.50	10.0
CSS1038G-2R5N	2R5	2.5	100	10.5	6.10	7.50
CSS1038G-3R8N	3R8	3.8	100	13	5.50	6.00
CSS1038G-5R2N	5R2	5.2	100	22	5.40	5.50
CSS1038G-6R8N	6R8	6.8	100	25	4.50	4.80
CSS1038G-7R0N	7R0	7.0	100	27	4.50	4.80
CSS1038G-100N	100	10	100	35	3.80	4.40
CSS1038G-150N	150	15	100	50	3.10	3.60
CSS1038G-220N	220	22	100	73	2.50	2.90
CSS1038G-330N	330	33	100	93	2.20	2.30
CSS1038G-470N	470	47	100	128	1.90	2.10
CSS1038G-680N	680	68	100	213	1.42	1.50
CSS1038G-101N	101	100	100	304	1.25	1.35
CSS1038G-151N	151	150	100	506	0.85	1.15
CSS1038G-221N	221	220	100	756	0.70	0.92
CSS1038G-331N	331	330	100	1090	0.52	0.70

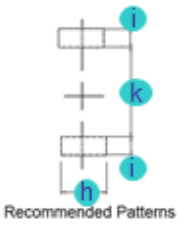
B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h	i	k
CSS1038G	10.3 (0.406)	10.4 (0.409)	4.0 (0.157)	13.5 (0.531)	3.0 (0.118)	7.7 (0.303)	1.2 (0.047)	3.2 (0.126)	1.6 (0.063)	7.3 (0.287)
Tol.	Max.	Max.	Max.	Max.	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.









C. General Information:

1. CSS1038G-xxx_, "CSS1038G" = P/N, "xxx" = Inductance, "_" = Tolerance.
2. Tolerance "_": N = ±30%, M = ± 20%.
3. Operating temperature range: -30ºC to +100ºC (Including self-heating).
4. Storage temperature: -40ºC to +85ºC.
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 Δt < 30ºC at rated current.
8. Inductance and Current range: From 1.5µH (6.50A) to 330.0 µH (0.52A).
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.

E. Characteristics Curve:

