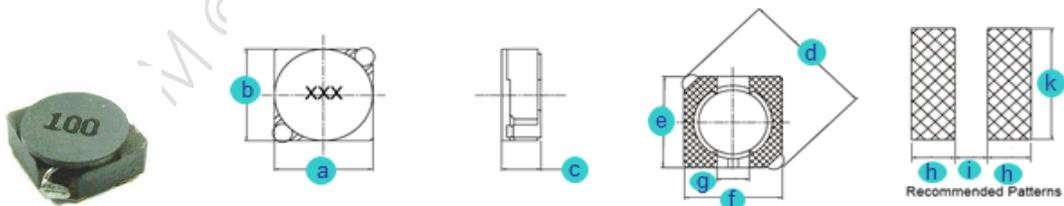


A. Electrical Specifications:

P/N	Marking	Tol.	Inductance (μH)	Test Freq. (KHz)	DCR Max. (mΩ)	Rated Current (A)
CSS0428P-1R2N	1R2	N	1.2	100	23.6	2.56
CSS0428P-1R8N	1R8	N	1.8	100	27.5	2.20
CSS0428P-2R2N	2R2	N	2.2	100	31.3	2.04
CSS0428P-2R7N	2R7	N	2.7	100	43.3	1.60
CSS0428P-3R3N	3R3	N	3.3	100	49.2	1.57
CSS0428P-3R9N	3R9	N	3.9	100	64.8	1.44
CSS0428P-4R7N	4R7	N	4.7	100	72.0	1.32
CSS0428P-5R6N	5R6	N	5.6	100	100.9	1.17
CSS0428P-6R8N	6R8	N	6.8	100	108.9	1.12
CSS0428P-8R2N	8R2	N	8.2	100	117.5	1.04
CSS0428P-100N	100	N	10	100	128.3	1.00
CSS0428P-120N	120	N	12	100	131.6	0.84
CSS0428P-150N	150	N	15	100	149.0	0.76
CSS0428P-180N	180	N	18	100	166.0	0.72
CSS0428P-220N	220	N	22	100	235.0	0.70
CSS0428P-270N	270	N	27	100	261.0	0.58
CSS0428P-330N	330	N	33	100	331.3	0.56
CSS0428P-390N	390	N	39	100	383.7	0.50
CSS0428P-470N	470	N	47	100	587.0	0.48
CSS0428P-560N	560	N	56	100	624.5	0.41
CSS0428P-680N	680	N	68	100	699.0	0.35
CSS0428P-820N	820	N	82	100	914.8	0.32
CSS0428P-101N	101	N	100	100	1020.0	0.29
CSS0428P-121N	121	N	120	100	1270.0	0.27
CSS0428P-151N	151	N	150	100	1350.0	0.24
CSS0428P-181N	181	N	180	100	1540.0	0.22

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h	i	k
CSS0428P	4.7 (0.185)	4.7 (0.185)	3.0 (0.118)	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.



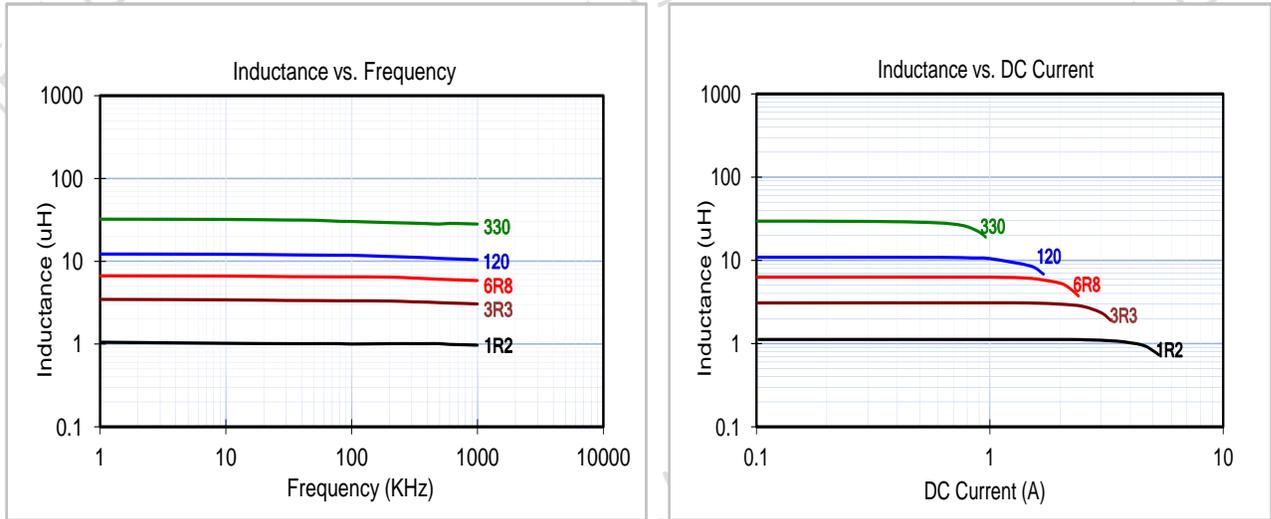
C. General Information:

- CSS0428P-xxx_,"CSS0428P" = P/N, "xxx" = Inductance, "_" = Tolerance.
- Tolerance "_": N = ± 30%.
- 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 1.2μH (2.56A) to 180.0 μH (0.22A).
- 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.

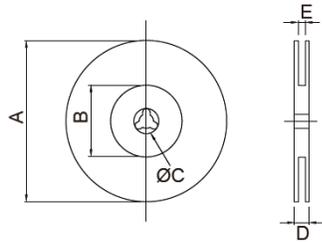
E. Characteristics Curve:



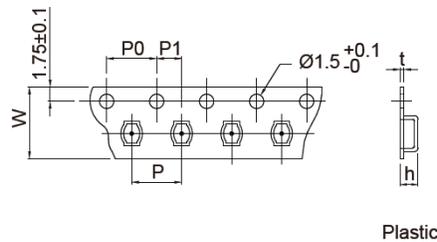
F. Supplementary Information:

1. Packaging Information

CARRIER TAPE REELS



TAPE DIMENSIONS (mm)



Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	h	t	7"	13"	Box	Carton
CSS0428P	340	60	13	22.4	16.5	16	12	4	2	3.20	0.35	---	1,500	3,000	9,000

2. RoHS Reflow Solder Profile



CSS0428P Series SMD WIRE WOUND POWER INDUCTORS (SHIELDED)



Rev. A

Typical RoHS Reflow Profile

