



Frontier Electronics Corp.

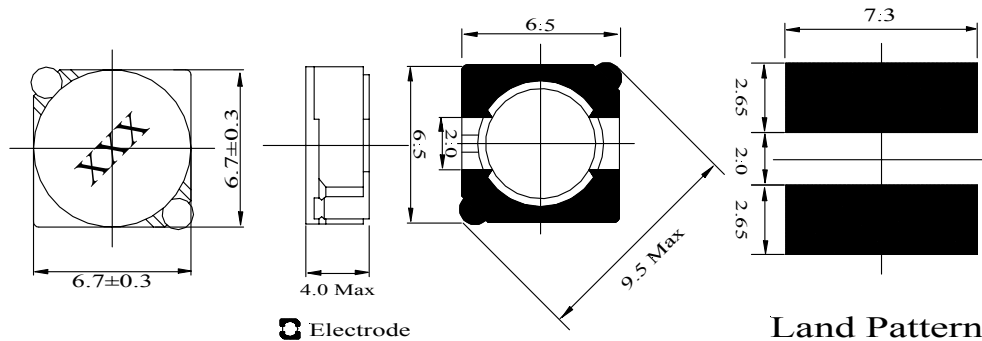
667 E. COCHRAN STREET, SIMI VALLEY, CA 93065
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SMD Power Choke—CSS0638P series

A. Electrical specifications:

Part No.	Mark	L (uH) ± 30%	Test Freq.	DCR (max) (mΩ)	I rms. (A)
CSS0638P-3R3N	3R3	3.3	10KHz	20	3.50
CSS0638P-4R7N	4R7	4.7	10KHz	20	3.00
CSS0638P-5R0N	5R0	5.0	10KHz	24	2.90
CSS0638P-6R2N	6R2	6.2	10KHz	27	2.50
CSS0638P-7R4N	7R4	7.4	10KHz	31	2.30
CSS0638P-8R7N	8R7	8.7	10KHz	34	2.20
CSS0638P-100N	100	10	10KHz	38	2.00
CSS0638P-120N	120	12	10KHz	53	1.70
CSS0638P-150N	150	15	10KHz	57	1.60
CSS0638P-180N	180	18	10KHz	92	1.50
CSS0638P-220N	220	22	10KHz	96	1.30
CSS0638P-270N	270	27	10KHz	109	1.20
CSS0638P-330N	330	33	10KHz	124	1.10
CSS0638P-390N	390	39	10KHz	138	1.00
CSS0638P-470N	470	47	10KHz	155	0.95
CSS0638P-560N	560	56	10KHz	202	0.85
CSS0638P-680N	680	68	10KHz	234	0.75
CSS0638P-820N	820	82	10KHz	324	0.70
CSS0638P-101N	101	100	10KHz	358	0.65

B. Mechanical dimensions: (Unit: mm)



Type 2: Shielded

C. Features:

1. Tolerance: N: ± 30%, M: ± 20%.
2. Operating temperature: -25°C to +85°C.
3. Inductance measured on the HP4284A LCR meter.
4. DCR measured on the 502BC milli-ohm meter.
5. Inductance drops no more than 35% at rated current applied or temperature rise $\Delta t < 30^\circ\text{C}$.
6. Inductance and Current range:
 - a.) CSS0638P-series: From 3.30μH (3.50A) to 100μH (0.65A).

Note: RoHS compliant; for the ROHS parts, we add “-LFR” at the end of the P/N.



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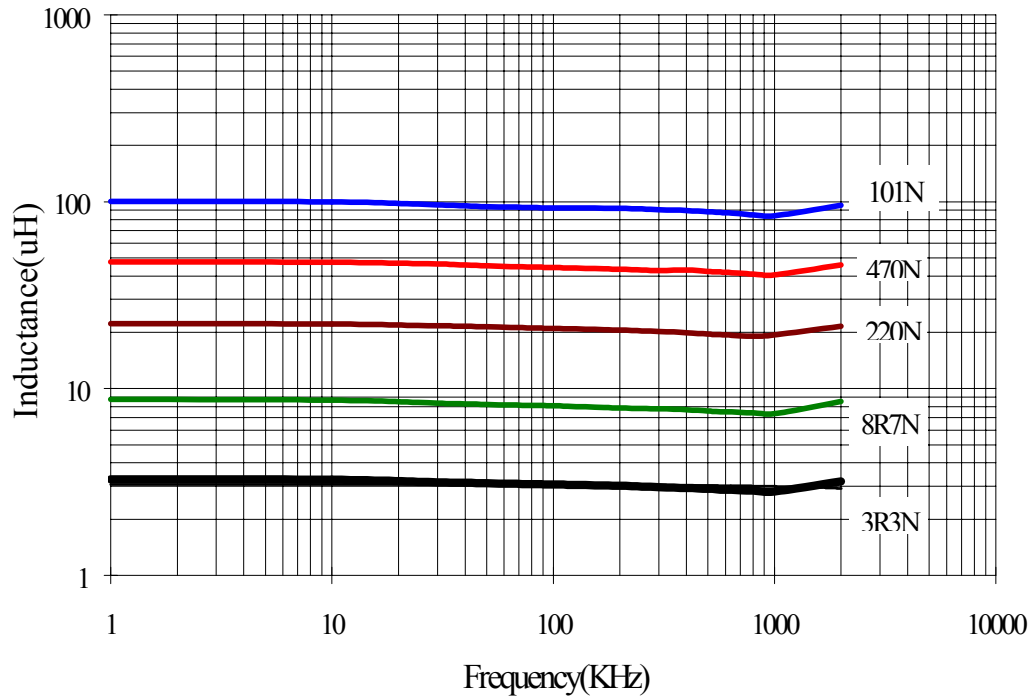
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D. Characteristic curve:

1. L vs. Frequency:



2. Typical L vs. DC Current:

