



Frontier Electronics Corp.

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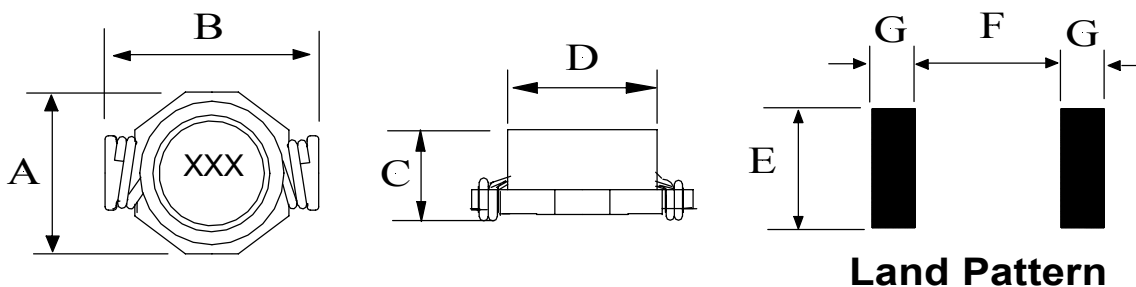
SMD Power Choke—CSS084S series

A. Electrical specifications:

Part No.	Mark	L (uH)	Test Freq.	DCR Ω (max.)	I rms. (A)	I sat. (A)
CSS084S-1R0M	1R0	1.0uH \pm 20%	100 KHz	0.021	5.00	5.60
CSS084S-1R5M	1R5	1.5uH \pm 20%	100 KHz	0.022	4.50	5.20
CSS084S-2R2M	2R2	2.2uH \pm 20%	100 KHz	0.032	3.80	5.00
CSS084S-3R3M	3R3	3.3uH \pm 20%	100 KHz	0.039	3.30	3.90
CSS084S-4R7M	4R7	4.7uH \pm 20%	100 KHz	0.054	2.70	3.20
CSS084S-6R8M	6R8	6.8uH \pm 20%	100 KHz	0.075	2.20	2.80
CSS084S-100M	100	10uH \pm 20%	100 KHz	0.101	2.00	2.40
CSS084S-150M	150	15uH \pm 20%	100 KHz	0.150	1.50	2.00
CSS084S-220M	220	22uH \pm 20%	100 KHz	0.207	1.30	1.60
CSS084S-330M	330	33uH \pm 20%	100 KHz	0.334	1.10	1.40
CSS084S-470M	470	47uH \pm 20%	100 KHz	0.472	0.80	1.00

B. Mechanical dimensions: (Unit: mm)

SERIES	A	B	C (MAX)	D (Typ.)	E	F	G	TYPE
CSS084S	9.70 \pm 0.3	12.90 \pm 0.3	5.10	8.50	6.0	7.37	2.92	2S



Type 2S: Shielded

C. Features:

- Tolerance: M: \pm 20%, L: \pm 15%, K: \pm 10%.
- Operating temperature: -25°C TO +85°C.
- Inductance measured on the HP4284A LCR meter.
- DCR measured on the 502BC milli-ohm meter.
- Inductance drops no more than 10% at rated current or temperature rise $\Delta t < 40^\circ\text{C}$.
- Inductance and Current range:
CSS084S: From 1.0uH(5.0A) to 47uH(0.80A)

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



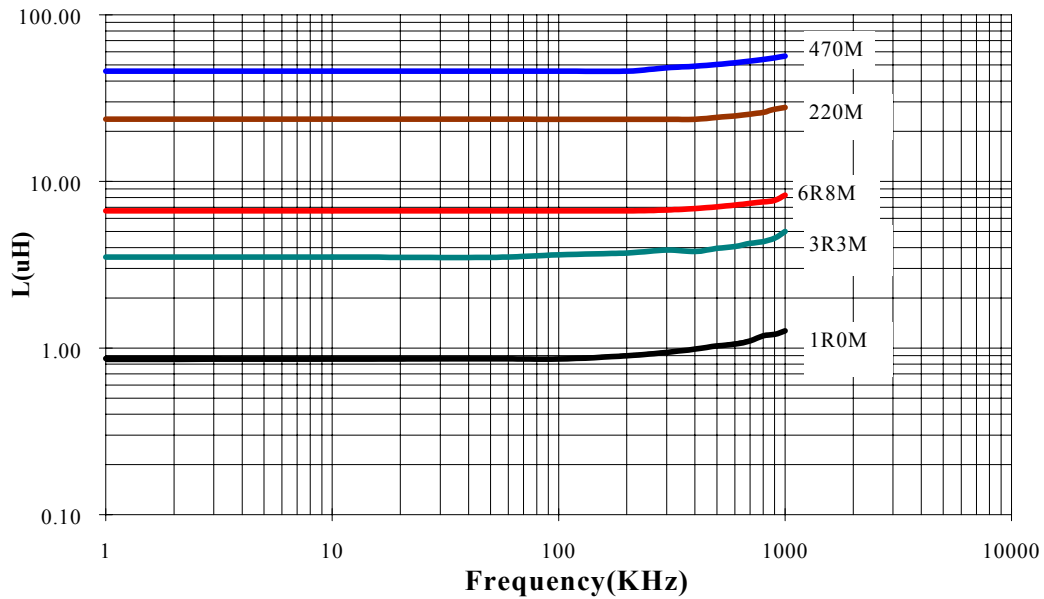
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D. Characteristic curve:

1. L vs. Frequency:



2. Typical L vs. DC Current:

