



Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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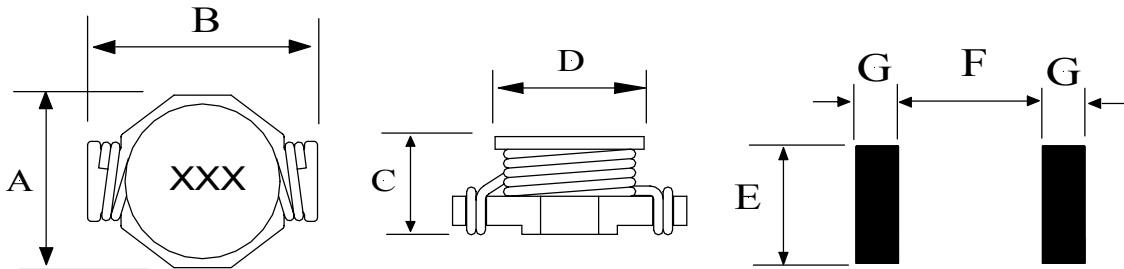
SMD Power Choke—CSH084S series

A. Electrical specifications:

Part No.	Mark	L (uH)	Test Freq.	SRF min (MHz)	DCR (Ω) (Max)	I rms. (A)	I sat. (A)
CSH084S-R33M	331	0.33	100 KHz	300	0.002	16	20
CSH084S-R68M	681	0.68	100 KHz	200	0.005	12	13
CSH084S-1R0M	102	1.00	100 KHz	100	0.006	10	11
CSH084S-1R5M	152	1.50	100 KHz	90	0.008	9.0	9.0
CSH084S-2R2M	222	2.20	100 KHz	90	0.011	7.4	7.8
CSH084S-2R7M	272	2.70	100 KHz	65	0.012	6.6	7.0
CSH084S-3R3M	332	3.30	100 KHz	65	0.014	5.9	6.4
CSH084S-4R7M	472	4.70	100 KHz	45	0.018	4.8	5.4

B. Mechanical dimensions: (Unit: mm)

SERIES	A	B(MAX)	C(MAX)	D(MAX)	E	F	G	TYPE
CSH084S	9.7±0.3	12.95	6.35	8.45	6.0	7.37	2.92	1S



Land Pattern

Type 1S: Unshielded

C. Features:

- Tolerance: M: ± 20%, L: ± 15%, K: ± 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:
CSH084S-series: From 0.33uH(16A) to 4.70uH(4.8A)

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



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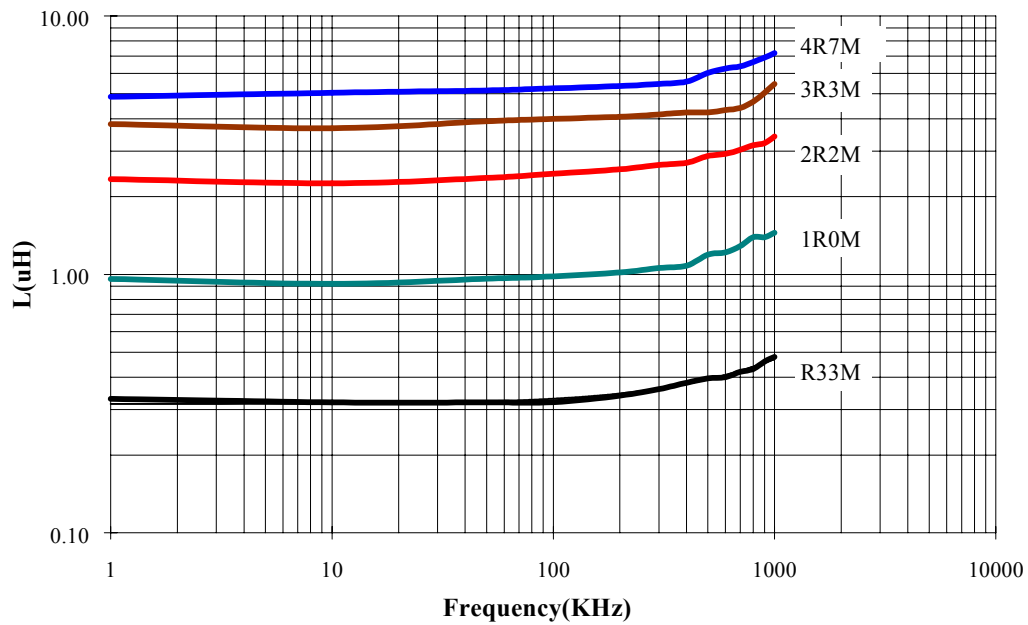
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D. Characteristic curve:

1. L vs. Frequency:



2. Typical L vs. DC Current:

