



Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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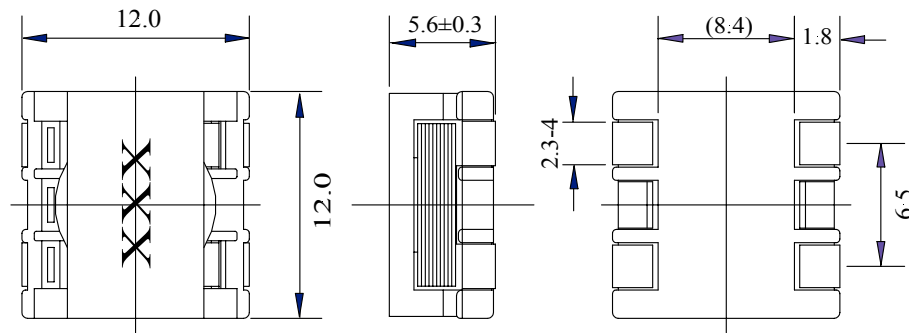
Web: frontierusa.com

SMD Power Choke—CSH1250S series

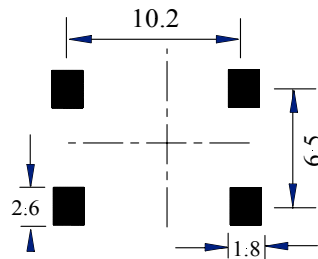
A. Electrical specifications:

Part No.	Marking	L (uH) $\pm 30\%$	Test Freq.	DCR (m Ω max.)	I rms. (A)
CSH1250S-R80M	R80	0.80	100KHz	3.0	15.0
CSH1250S-1R4M	1R4	1.40	100KHz	3.9	13.0
CSH1250S-2R2M	2R2	2.20	100KHz	4.8	10.0
CSH1250S-3R1M	3R1	3.10	100KHz	8.0	8.1
CSH1250S-4R2M	4R2	4.20	100KHz	9.2	7.0
CSH1250S-5R5M	5R5	5.50	100KHz	11.8	6.2
CSH1250S-7R0M	7R0	7.00	100KHz	16.8	5.6

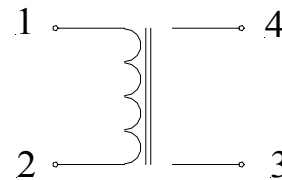
B. Mechanical dimensions: (Unit: mm)



Mechanic Dimension



Land pattern



Schematics

C. Features:

1. Tolerance: M: $\pm 20\%$, L: $\pm 15\%$, K: $\pm 10\%$.
2. Operating temperature: -30°C TO $+100^{\circ}\text{C}$.
3. Inductance measured on the HP4284A LCR meter.
4. DCR measured on the 502BC milli-ohm meter.
5. Inductance drops no more than 25% at rated current applied or temperature increases $\Delta t < 40^{\circ}\text{C}$.
6. Flat stack wire wound perpendicular to the center of the core.
7. Inductance and Current range:
 - a.) CSS1250S: From 0.8uH(15.0A) to 7.0uH(5.6A).

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



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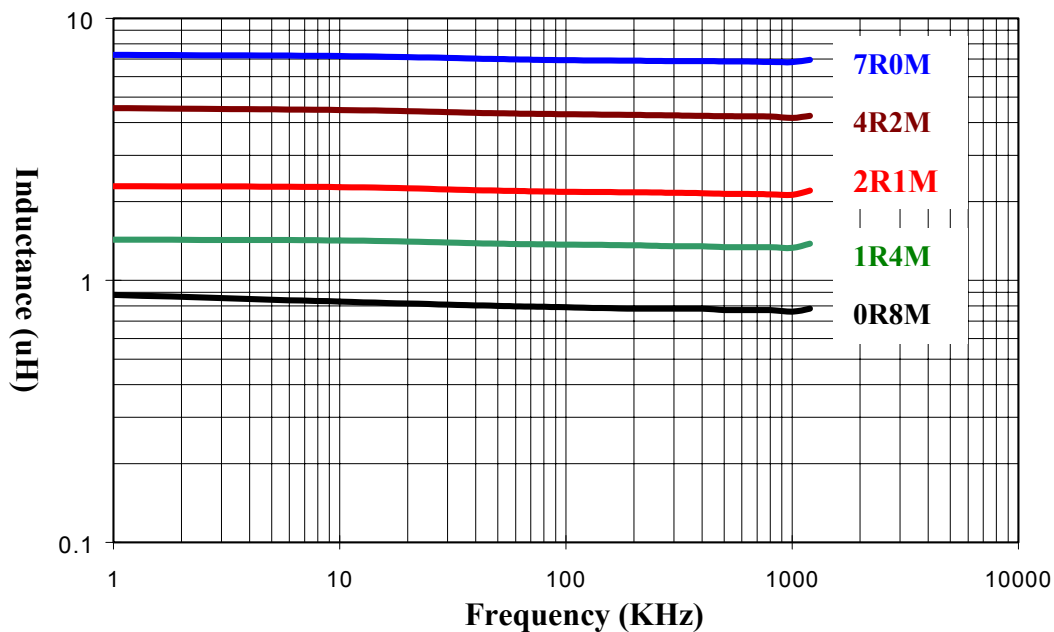
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D. Characteristic curve:

1. L vs. Frequency:



2. Typical L vs. DC Current:

