



Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

TEL: (805) 522-9998 FAX: (805) 522-9989

E-mail: frontiersales@frontierusa.com

Web: frontierusa.com

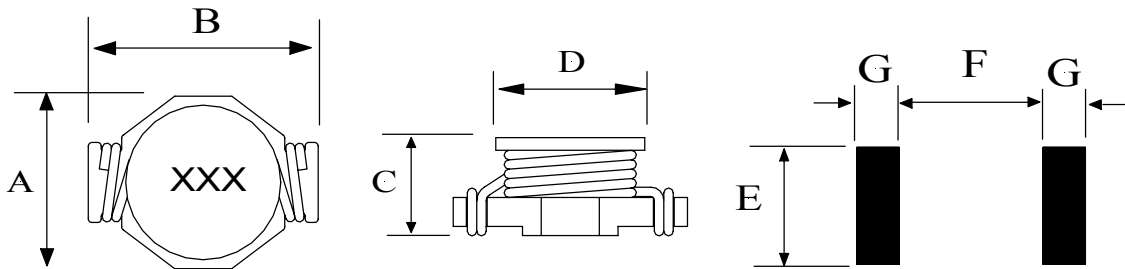
SMD Power Choke—CSH136S series

A. Electrical specifications:

Part No.	Mark	L (uH)	Test Freq.	DCR (max) Ω	I rms. (A)	I sat. (A)
CSH136S-R78M	781	0.78	100 KHz	0.0026	15	30
CSH136S-1R5M	152	1.50	100 KHz	0.004	15	25
CSH136S-2R2M	222	2.20	100 KHz	0.0061	12	20
CSH136S-3R3M	332	3.30	100 KHz	0.0086	10	17
CSH136S-3R9M	392	3.90	100 KHz	0.010	9.0	15
CSH136S-4R7M	472	4.70	100 KHz	0.014	8.4	13
CSH136S-6R0M	602	6.00	100 KHz	0.017	7.5	12
CSH136S-7R8M	782	7.80	100 KHz	0.018	7.5	11
CSH136S-100M	103	10.0	100 KHz	0.026	6.0	10
CSH136S-150M	153	15.0	100 KHz	0.032	4.4	8

B. Mechanical dimensions: (Unit: mm)

SERIES	A (Max.)	B (Max.)	C (Max.)	D (Max.)	E	F	G	TYPE
CSH136S	16.26	22.35	8.00	12.7	8.6	17.5	3.2	1S



Land Pattern

Type 1S: Unshielded

C. Features:

- Tolerance: M: $\pm 20\%$, L: $\pm 15\%$, K: $\pm 10\%$.
- Operating temperature: -25°C TO $+85^{\circ}\text{C}$.
- 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:
CSH136S-series: From 0.78uH(15A) to 15uH(4.4A)

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



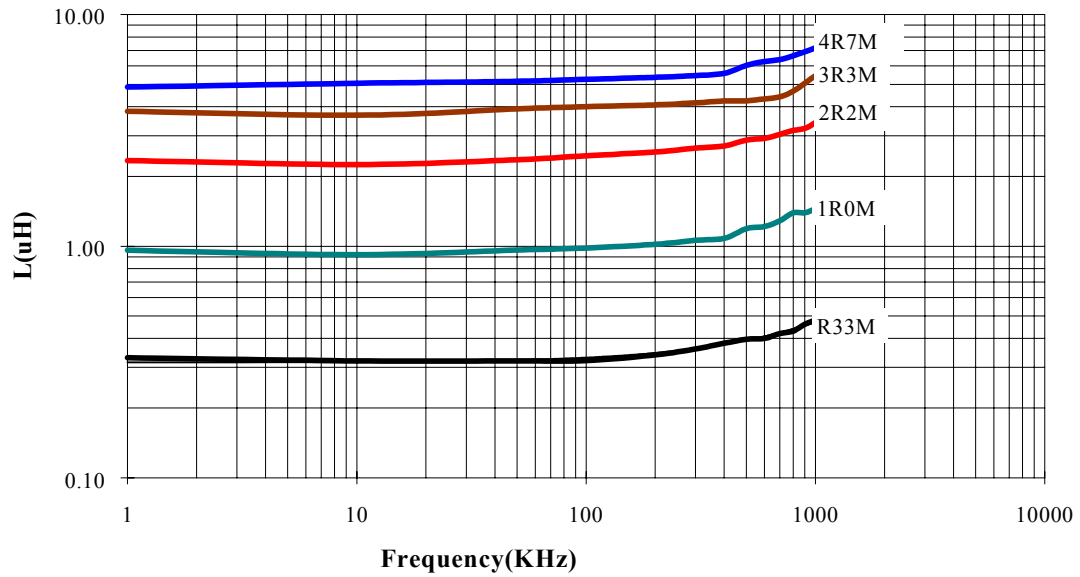
Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065
TEL: (805) 522-9998 FAX: (805) 522-9989
E-mail: frontiersales@frontierusa.com
Web: frontierusa.com

SMD Power Choke—CSH136S series

D. Characteristic curve:

1. L vs. Frequency:



2. Typical L vs. DC Current:

