



Frontier Electronics Corp.

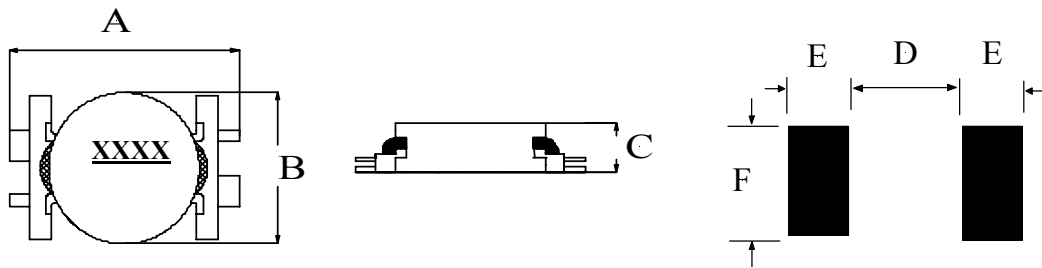
667 E. COCHRAN STREET, SIMI VALLEY, CA 93065
 TEL: (805) 522-9998 FAX: (805) 522-9989
 E-mail: frontiersales@frontierusa.com
 Web: http://www.frontierusa.com

SMD Power Choke (Unshielded)—CST0413H series

A. Electrical specifications:

Part No.	Mark	L (uH)±30%	Test Freq.	DCR (max) Ω	I rms. (mA)
CST0413H-221N	221	220	1.0 KHz	5.4	110
CST0413H-331N	331	330	1.0 KHz	8.2	80
CST0413H-471N	471	470	1.0 KHz	11.8	70
CST0413H-561N	561	560	1.0 KHz	14.5	55

B. Mechanical dimensions: (Unit: mm)



SERIES #	A	B	C	D	E	F
CST0413H	6.3 Max.	4.0 ± 0.20	1.35 Max.	4.50	1.15	3.60

C. Features:

- Tolerance: N: ± 30%.
- Operating temperature: -25°C TO +85°C.
- Inductance measured on the HP4284A or HP4285A LCR meter.
- DCR measured on the 502BC milli-ohm meter.
- Inductance drops no more than 35% at rated current applied or temperature rises $\Delta t < 40^\circ\text{C}$.
- Very low profile used for DC-DC converter, LCD driver power supply, Notebook PC, and Electro-Luminescent backlight for Digital Video Camera, Digital Still Camera, GPS, PDC etc. Portable equipment.
- Inductance range: CST0413H-series From 220uH(110 mA) to 560uH(55 mA).

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



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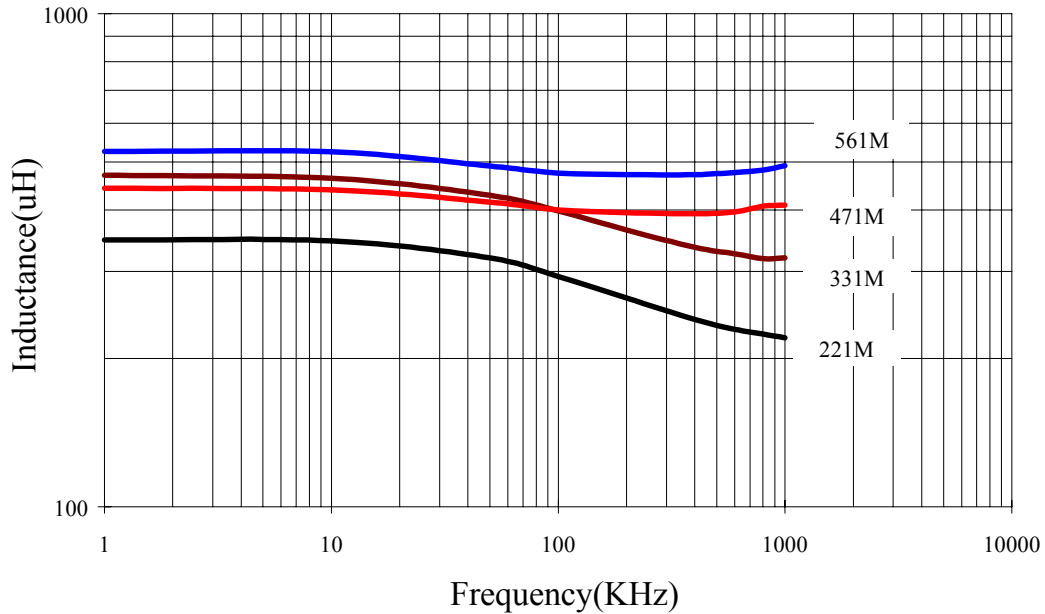
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D. Characteristic curve:

1. L vs. Frequency:



2. Typical L vs. DC Current:

