



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—CSN/CSH/CSS/CSTxxxS/F series

A. Inductance and Current range:

1. CSN/CSS/CSH/CSTxxxS series:

- CSN0810S: From 10uH(3.50A) to 1000uH(0.10A)
- CSN082S: From 10uH(2.00A) to 1000uH(0.05A)
- CSH084S: From 0.33uH(16A) to 4.70uH(4.8A)
- CSN084S: From 1.0uH(6.80A) to 1000uH(0.30A)
- CSS084S: From 1.0uH(5.0A) to 47uH(0.80A)
- CST084S: From 1.0uH(5.0A) to 1000uH(0.25A)
- CSH136S: From 0.78uH(15A) to 15uH(4.4A)
- CSN136S: From 1.0uH(8.60A) to 1000uH(0.56A)
- CSS136S: From 10uH(3.9A) to 1000uH(0.53A)

2. CSN/CSS/CSTxxxF series:

- CSN082F: From 10uH(2.00A) to 1000uH(0.05A)
- CSN084F: From 1.0uH(6.80A) to 1000uH(0.30A)
- CSS084F: From 1.0uH(5.0A) to 47uH(0.80A)
- CSN136F: From 1.0uH(8.60A) to 1000uH(0.56A)
- CSS136F: From 10uH(3.9A) to 1000uH(0.53A)

B. Features:

- Operating temperature: -25°C TO +85°C.
- Inductance measured using the HP4284A LCR meter.
- DCR measured using the 502BC milli-ohm meter.
- Inductance drops no more than 10% at rated current.

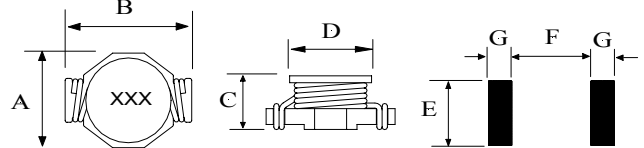
C. Dimensions: (Unit: mm)

SERIES	A	B (MAX)	C (MAX)	D (MAX)	E	F	G	TYPE
CSN0810S	9.7±0.3	12.95	11.5	9.5	6.0	7.37	2.92	1S
CSN082S	9.7±0.3	12.95	3.50	9.5	6.0	7.37	2.92	1S
CSH084S	9.7±0.3	12.95	6.35	8.45	6.0	7.37	2.92	1S
CSN084S	9.7±0.3	12.95	5.50	9.5	6.0	7.37	2.92	1S
CSS084S	9.7±0.3	12.95	5.10	8.50	6.0	7.37	2.92	2S
CST084S	9.7±0.3	12.95	5.30	8.60	6.0	7.37	2.92	3S
CSH136S	16.26(MAX)	22.35	8.00	12.7	8.6	17.5	3.20	1S
CSN136S	15.24(MAX)	18.54	7.11	12.7	6.0	12.45	2.92	1S
CSS136S	15.24(MAX)	18.54	7.62	12.7	6.0	12.45	2.92	2S
CSN082F	9.40	12.95	3.00	8.50	2.79	7.37	2.92	1F
CSN084F	9.40	12.95	5.21	8.50	2.79	7.37	2.92	1F
CSS084F	9.40	12.95	5.10	8.38	2.79	7.37	2.92	2F
CSN136F	15.24	18.54	7.62	12.7	3.1	12.45	2.92	1F
CSS136F	14.05	18.10	7.62	12.7	3.1	12.45	2.92	2F

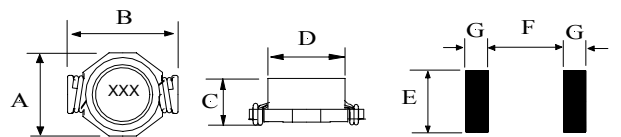
D. Mechanical drawing:

1. CSH/CSN/CST/CSSxxxS series:

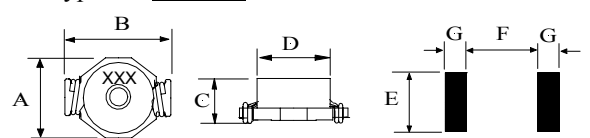
Type 1S: Unshielded



Type 2S: Shielded

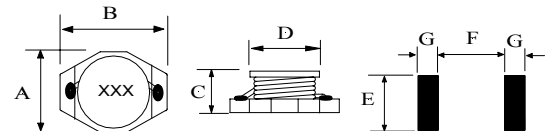


Type 3S: Shielded

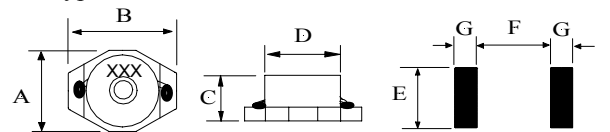


2. CSN/CSS/CSTxxxF series:

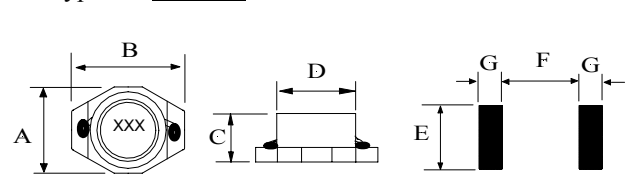
Type 1F: Unshielded



Type 2F: Shielded



Type 3F: Shielded



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