



Frontier Electronics Corp.

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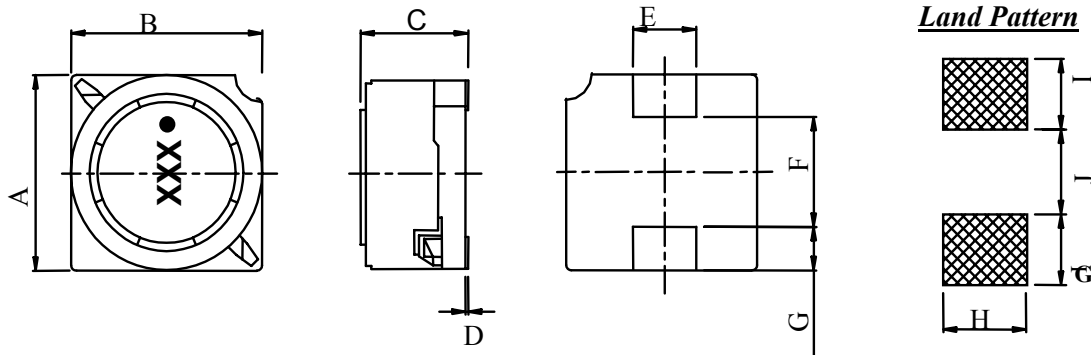
Web: frontierusa.com

SMD Power Choke (Shielded)—CSSxxxxF Series

A. Dimensions: (Unit: mm)

SERIES #	A	B	C	D (Typ.)	E	F (Typ.)	G (Typ.)	H	I	J
CSS0625F	6.0±0.2	6.0±0.2	2.5±0.2	0.10	2.0±0.1	4.0	0.90	2.2	1.5	4.0
CSS0628F	6.0±0.2	6.0±0.2	2.8±0.2	0.05	2.0±0.1	4.0	0.90	2.2	1.5	4.0
CSS0728F	7.0±0.2	7.0±0.2	2.8±0.2	0.10	2.0±0.1	4.9	0.90	2.2	1.5	4.9
CSS0730F	7.0±0.2	7.0±0.2	3.0±0.2	0.10	2.0±0.1	4.9	0.90	2.2	1.5	4.9
CSS0732F	7.0±0.2	7.0±0.2	3.2±0.2	0.10	2.0±0.1	4.9	0.90	2.2	1.5	4.9
CSS0745F	7.0±0.2	7.0±0.2	4.5±0.2	0.10	2.0±0.1	4.9	0.90	2.2	1.5	4.9
CSS1045F	10.0±0.3	10.0±0.3	4.5±0.3	0.15	3.0±0.1	6.0±0.2	2.0±0.15	3.2	2.5	5.6
CSS1355F	12.5 ± 0.3	12.5 ± 0.3	5.5 ± 0.35	0.10	3.0 ± 0.1	8.6±0.3	2.0±0.15	3.2	2.5	8.6
CSS1365F	12.5 ± 0.3	12.5 ± 0.3	6.5 ± 0.35	0.10	3.0 ± 0.1	8.6±0.3	2.0	3.2	2.5	8.6
CSS1375F	12.5 ± 0.3	12.5 ± 0.3	7.5 ± 0.35	0.10	3.0 ± 0.1	8.6±0.3	2.0	3.2	2.5	8.6

B. Mechanical dimensions:



C. Features:

- 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 applied or temperature rises $\Delta t < 40^\circ\text{C}$.

D. Inductance range:

- CSS0625F-Series: From 4.7uH(1.50A) to 100uH(0.33A).
- CSS0628F-Series: From 4.7uH(1.60A) to 100uH(0.42A).
- CSS0728F-Series: From 3.3uH(1.60A) to 47.0uH(0.54A).
- CSS0730F-Series: From 3.3uH(1.80A) to 100uH(0.35A).
- CSS0732F-Series: From 3.3uH(1.90A) to 1000uH(0.13A).
- CSS0745F-Series: From 3.3uH(2.30A) to 1000uH(0.25A).
- CSS1045F-Series: From 10μH (2.50A) to 1500μH(0.26A).
- CSS1355F-Series: From 6.0uH(4.90A) to 1500uH(0.48A).
- CSS1365F-Series: From 2.0uH(6.20A) to 220uH(1.20A).
- CSS1375F-Series: From 1.20uH(8.20A) to 220uH(1.30A).

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