



Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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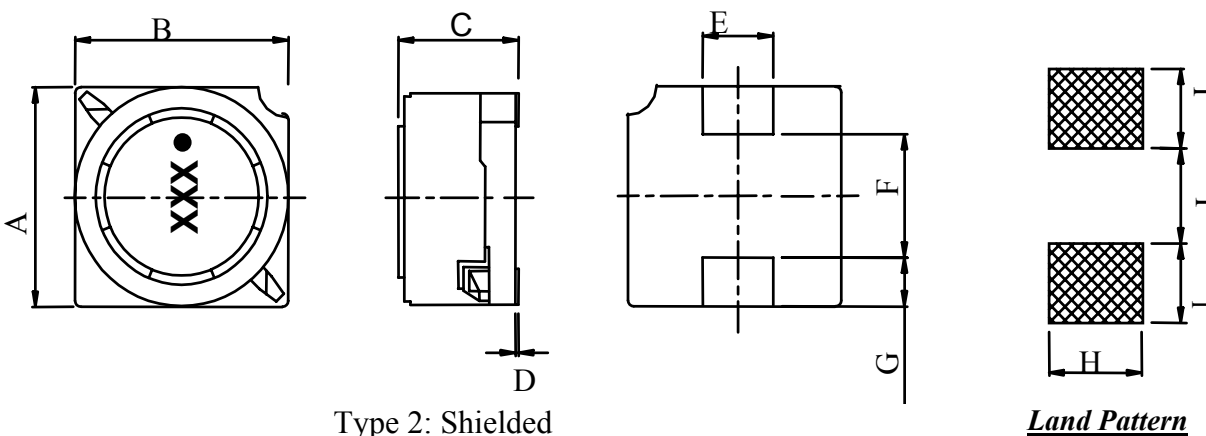
SMD Power Choke (Shielded)—CSS1365F series

A. Electrical specification:

| Part No. | Mark | L (uH) | Test Freq. | DCR max. (Ω) | I sat. (A) | Rated I (A) |
|---------------|------|--------|------------|-----------------------|------------|-------------|
| CSS1365F-2R0N | 2R0 | 2.00 | 1 KHz | 0.015 | 10.0 | 6.2 |
| CSS1365F-4R2N | 4R2 | 4.20 | 1 KHz | 0.018 | 7.3 | 5.5 |
| CSS1365F-7R0N | 7R0 | 7.00 | 1 KHz | 0.022 | 5.7 | 5.0 |
| CSS1365F-100M | 100 | 10.0 | 1 KHz | 0.025 | 5.0 | 4.8 |
| CSS1365F-150M | 150 | 15.0 | 1 KHz | 0.029 | 4.2 | 4.4 |
| CSS1365F-220M | 220 | 22.0 | 1 KHz | 0.038 | 3.5 | 3.8 |
| CSS1365F-330M | 330 | 33.0 | 1 KHz | 0.055 | 2.8 | 3.4 |
| CSS1365F-470M | 470 | 47.0 | 1 KHz | 0.072 | 2.4 | 2.8 |
| CSS1365F-680M | 680 | 68.0 | 1 KHz | 0.099 | 2.0 | 2.4 |
| CSS1365F-101M | 101 | 100 | 1 KHz | 0.155 | 1.6 | 1.9 |
| CSS1365F-221M | 221 | 220 | 1 KHz | 0.328 | 1.0 | 1.2 |

B. Mechanical dimensions: (Unit: mm)

| SERIES # | A | B | C | D | E | F | G | H | I | I |
|----------|------------|------------|------------|------|-----------|-----------|-----|-----|-----|-----|
| 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 |



Type 2: Shielded

Land Pattern

C. Features:

- Tolerance: N: ±30%, M: ±20%..
- Operating temperature: -20°C TO +105°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 $\Delta t < 40^\circ\text{C}$.
- Inductance range:
 CSS1365F-series: From 2.0uH(6.20A) to 220uH(1.20A).

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



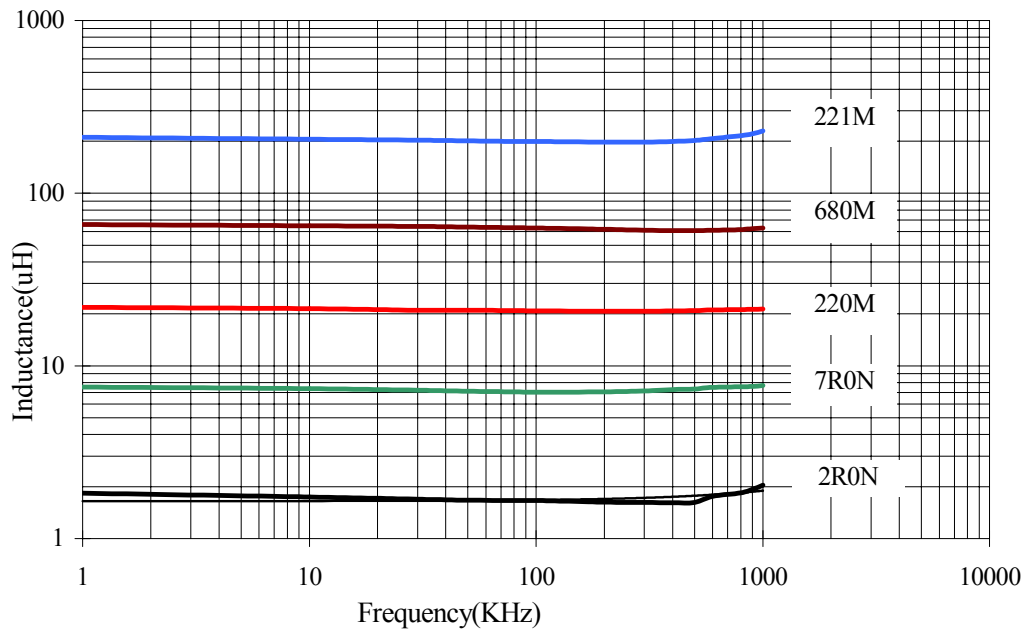
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D. Characteristic curve:

1. L vs. Frequency:



2. Typical L vs. DC Current:

