



Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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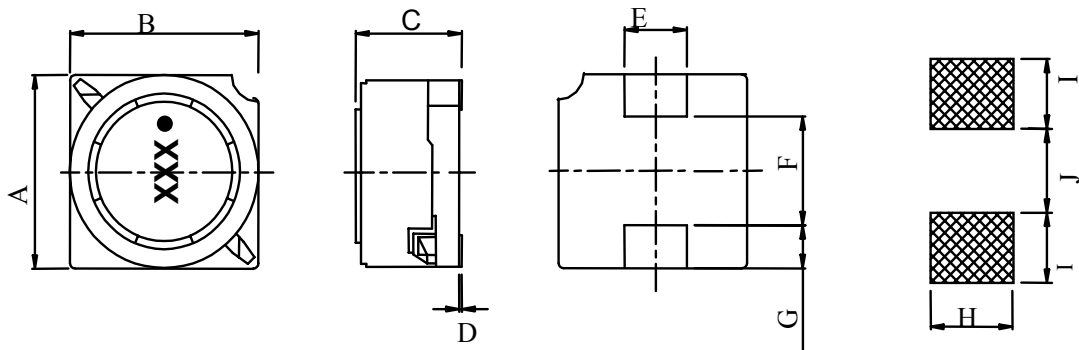
SMD Power Choke (Shielded)—CSS0732F series

A. Electrical specification:

Part No.	Mark	L (uH)	Test Freq.	DCR max. (Ω)	I rms. (A)
CSS0732F-3R3M	3R3	3.30	1 KHz	0.028	1.90
CSS0732F-4R7M	4R7	4.70	1 KHz	0.044	1.70
CSS0732F-6R8M	6R8	6.80	1 KHz	0.050	1.60
CSS0732F-100M	100	10.0	1 KHz	0.064	1.40
CSS0732F-150M	150	15.0	1 KHz	0.090	1.10
CSS0732F-220M	220	22.0	1 KHz	0.132	0.96
CSS0732F-330M	330	33.0	1 KHz	0.192	0.75
CSS0732F-470M	470	47.0	1 KHz	0.288	0.67
CSS0732F-680M	680	68.0	1 KHz	0.372	0.59
CSS0732F-101M	101	100	1 KHz	0.54	0.45
CSS0732F-151M	151	150	1 KHz	0.78	0.37
CSS0732F-221M	221	220	1 KHz	1.26	0.29
CSS0732F-331M	331	330	1 KHz	2.00	0.22
CSS0732F-471M	471	470	1 KHz	2.46	0.20
CSS0732F-681M	681	680	1 KHz	3.78	0.16
CSS0732F-102M	102	1000	1 KHz	5.74	0.13

B. Mechanical dimensions: (Unit: mm)

SERIES #	A	B	C	D (Typ.)	E	F (Typ.)	G (Typ.)	H	I	J
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



Type 2: Shielded

Land Pattern

C. Features:

- Tolerance: M: ±20%.
- Operating temperature: -20°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 $\Delta t < 40^\circ\text{C}$.
- Inductance range:
CSS0732F-series: From 3.3uH(1.90A) to 1000uH(0.13A).

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



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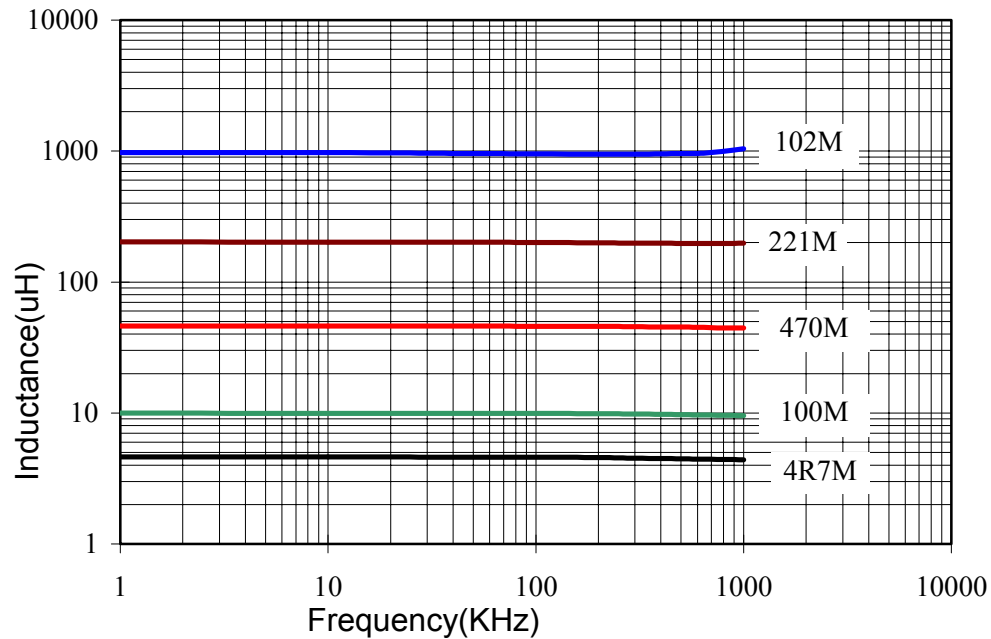
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D. Characteristic curve:

1. L vs. Frequency:



2. Typical L vs. DC Current:

