



# Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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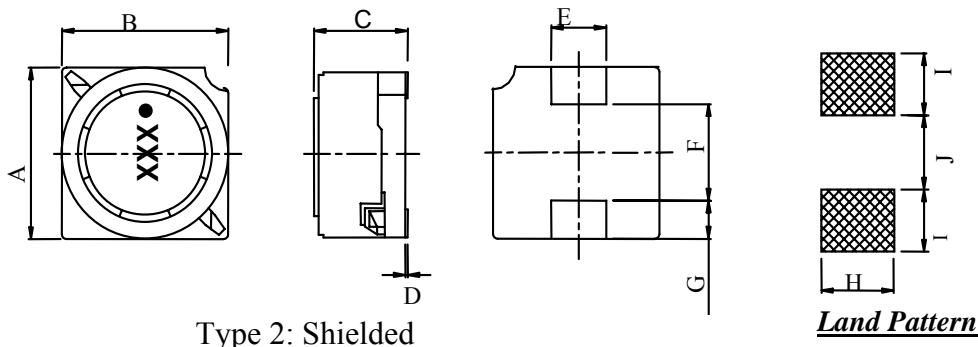
## SMD Power Choke (Shielded)—CSS0745F series

### A. Electrical specification:

Part No.	Mark	L (uH)	Test Freq.	DCR max. (Ω)	I sat. (A)	I rated (A)
CSS0745F-3R3M	3R3	3.30	1 KHz	0.024	2.50	2.30
CSS0745F-4R7M	4R7	4.70	1 KHz	0.036	2.00	2.10
CSS0745F-6R8M	6R8	6.80	1 KHz	0.047	1.70	1.74
CSS0745F-100M	100	10.0	1 KHz	0.044	1.30	1.78
CSS0745F-150M	150	15.0	1 KHz	0.063	1.10	1.53
CSS0745F-220M	220	22.0	1 KHz	0.074	0.90	1.34
CSS0745F-330M	330	33.0	1 KHz	0.116	0.82	1.09
CSS0745F-470M	470	47.0	1 KHz	0.150	0.75	0.92
CSS0745F-680M	680	68.0	1 KHz	0.210	0.60	0.77
CSS0745F-101M	101	100	1 KHz	0.300	0.50	0.65
CSS0745F-150M	151	150	1 KHz	0.408	0.40	0.55
CSS0745F-220M	201	220	1 KHz	0.624	0.33	0.45
CSS0745F-330M	331	330	1 KHz	0.888	0.25	0.37
CSS0745F-470M	471	470	1 KHz	1.260	0.22	0.31
CSS0745F-680M	681	680	1 KHz	1.776	0.20	0.27
CSS0745F-101M	102	1000	1 KHz	2.736	0.14	0.25

### B. Mechanical dimensions: (Unit: mm)

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



### 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:  
CSS0745F-series: From 3.3uH(2.30A) to 1000uH(0.25A).

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



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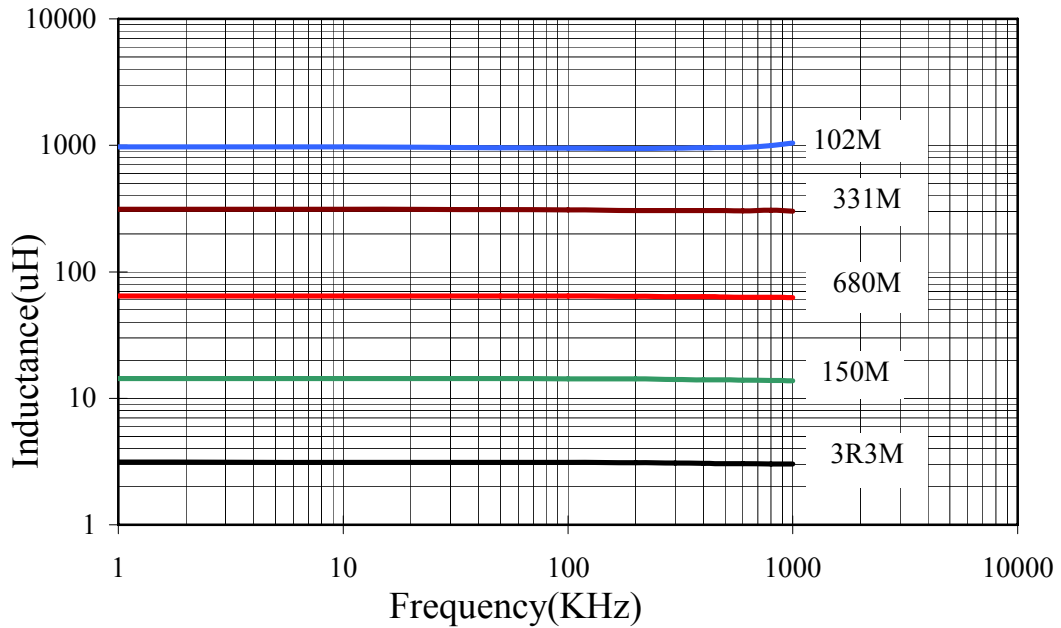
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### D. Characteristic curve:

#### 1. L vs. Frequency:



#### 2. Typical L vs. DC Current:

