



# Frontier Electronics Corp.

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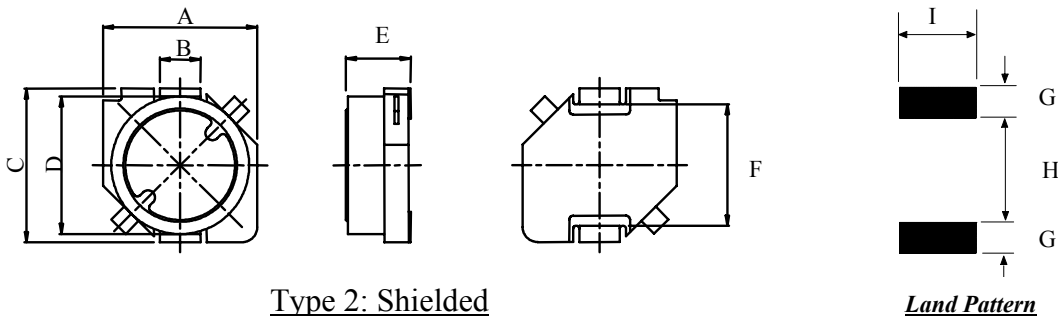
## SMD Power Choke—CSS073F series

### A. Electrical specification:

Part No.	Mark	L (uH)	Test Freq.	DCR max. (Ω)	I rms. (A)
CSS073F-1R0M	1R0	1.0	100 KHz	0.019	3.12
CSS073F-1R5M	1R5	1.5	100 KHz	0.023	2.85
CSS073F-2R2M	2R2	2.2	100 KHz	0.028	2.66
CSS073F-3R3M	3R3	3.3	100 KHz	0.035	2.26
CSS073F-4R7M	4R7	4.7	100 KHz	0.043	1.92
CSS073F-6R8M	6R8	6.8	100 KHz	0.055	1.76
CSS073F-100M	100	10.0	100 KHz	0.080	1.34
CSS073F-120M	120	12.0	100 KHz	0.090	1.23
CSS073F-150M	150	15.0	100 KHz	0.120	1.09
CSS073F-180M	180	18.0	100 KHz	0.130	0.99
CSS073F-220M	220	22.0	100 KHz	0.150	0.90
CSS073F-270M	270	27.0	100 KHz	0.210	0.81
CSS073F-330M	330	33.0	100 KHz	0.250	0.72
CSS073F-390M	390	39.0	100 KHz	0.310	0.67
CSS073F-470M	470	47.0	100 KHz	0.350	0.60
CSS073F-560M	560	56.0	100 KHz	0.430	0.55
CSS073F-680M	680	68.0	100 KHz	0.520	0.50
CSS073F-820M	820	82.0	100 KHz	0.600	0.46
CSS073F-101M	101	100.0	100 KHz	0.790	0.41

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

SERIES #	A (MAX.)	B	C (MAX.)	D	E (MAX.)	F	G	H	I
CSS073F	7.6	2.0	7.6	∑ 6.8	3.5	3.9	2.5	3.5	3.0



### C. Features:

- Tolerance: M: ±20%, L: ± 15%, K: ± 10%.
- 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  $\Delta t < 40^\circ\text{C}$ .
- Inductance range:  
 CSS073F-series (Shielded): From 1.0uH(3.12A) to 100uH(0.41A).

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



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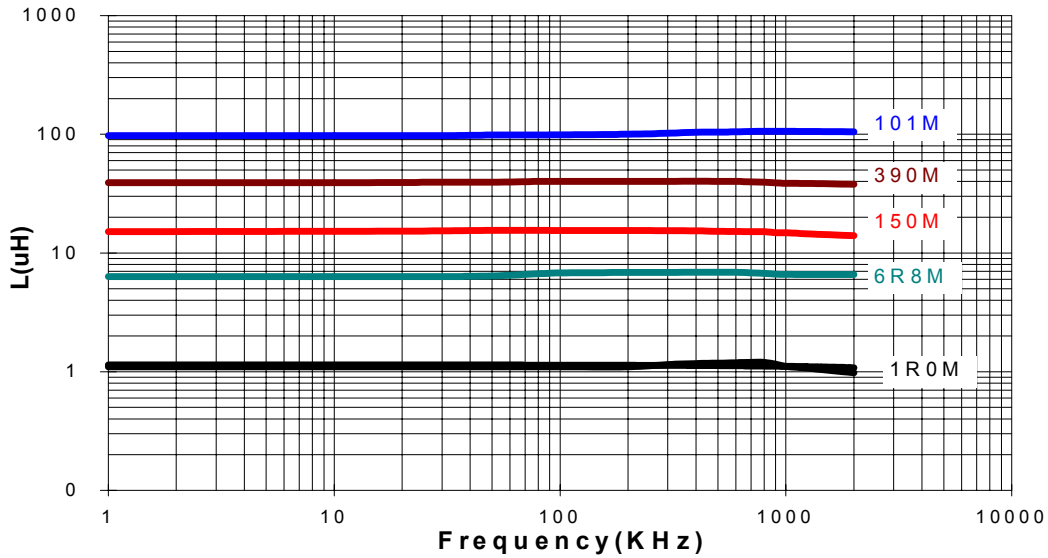
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## SMD Power Choke—CSN073F series

### D. Characteristic curve:

#### 1. L vs. Frequency:



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

