



Frontier Electronics Corp.®

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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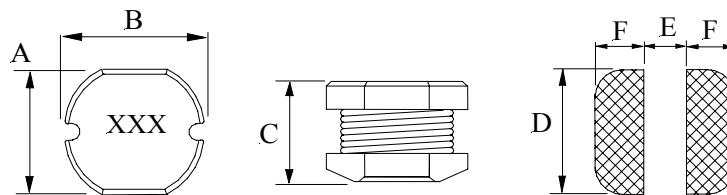
Web: <http://www.frontierusa.com>

SMD Power Choke—CSN032D series

A. Electrical specifications:

Part No.	Mark	L (uH)	Test Freq.	DCR (max) Ω	I rms. (A)
CSN032D-1R0M	1R0	1.0	100 KHz	0.07	2.080
CSN032D-1R4M	1R4	1.4	100 KHz	0.09	1.860
CSN032D-1R8M	1R8	1.8	100 KHz	0.11	1.800
CSN032D-2R2M	2R2	2.2	100 KHz	0.13	1.390
CSN032D-2R7M	2R7	2.7	100 KHz	0.14	1.320
CSN032D-3R3M	3R3	3.3	100 KHz	0.20	1.250
CSN032D-3R9M	3R9	3.9	100 KHz	0.21	1.200
CSN032D-4R7M	4R7	4.7	100 KHz	0.33	1.030
CSN032D-5R6M	5R6	5.6	100 KHz	0.35	0.910
CSN032D-6R8M	6R8	6.8	100 KHz	0.38	0.850
CSN032D-8R2M	8R2	8.2	100 KHz	0.43	0.820
CSN032D-100M	100	10	100 KHz	0.50	0.740
CSN032D-120M	120	12	100 KHz	0.65	0.640
CSN032D-150M	150	15	100 KHz	0.82	0.600
CSN032D-180M	180	18	100 KHz	0.90	0.540
CSN032D-220M	220	22	100 KHz	1.14	0.500
CSN032D-270M	270	27	100 KHz	1.39	0.430
CSN032D-330M	330	33	100 KHz	1.55	0.400
CSN032D-390M	390	39	100 KHz	2.15	0.370
CSN032D-470M	470	47	100 KHz	2.44	0.360
CSN032D-560M	560	56	100 KHz	2.68	0.310
CSN032D-680M	680	68	100 KHz	3.05	0.300
CSN032D-820M	820	82	100 KHz	3.48	0.280
CSN032D-101M	101	100	100 KHz	3.50	0.250
CSN032D-201M	201	200	100 KHz	6.30	0.200
CSN032D-221M	221	220	100 KHz	6.30	0.200
CSN032D-271M	271	270	100 KHz	6.50	0.160
CSN032D-331M	331	330	100 KHz	7.10	0.120
CSN032D-391M	391	390	100 KHz	9.00	0.100
CSN032D-471M	471	470	100 KHz	14.0	0.090

B. Mechanical dimensions: (Unit: mm)



Type 1: Unshielded

SERIES #	A	B	C	D	E	F	Type
CSN032D	3.0±0.3	3.3±0.3	2.1±0.3	3.2	1.2	1.2	1

C. Features:

- Tolerance: M: ± 20%, L: ± 15%, K: ±10%.
- Operating temperature: -25°C TO +85°C.
- Inductance measured using the HP4284A LCR meter.
- DCR measured using 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: CSN032D-series: From 1.0 uH (2.080A) to 470uH (0.090A).

Custom specifications are available.

Note: **RoHS** compliant with “-LFR” at the end of the P/N.



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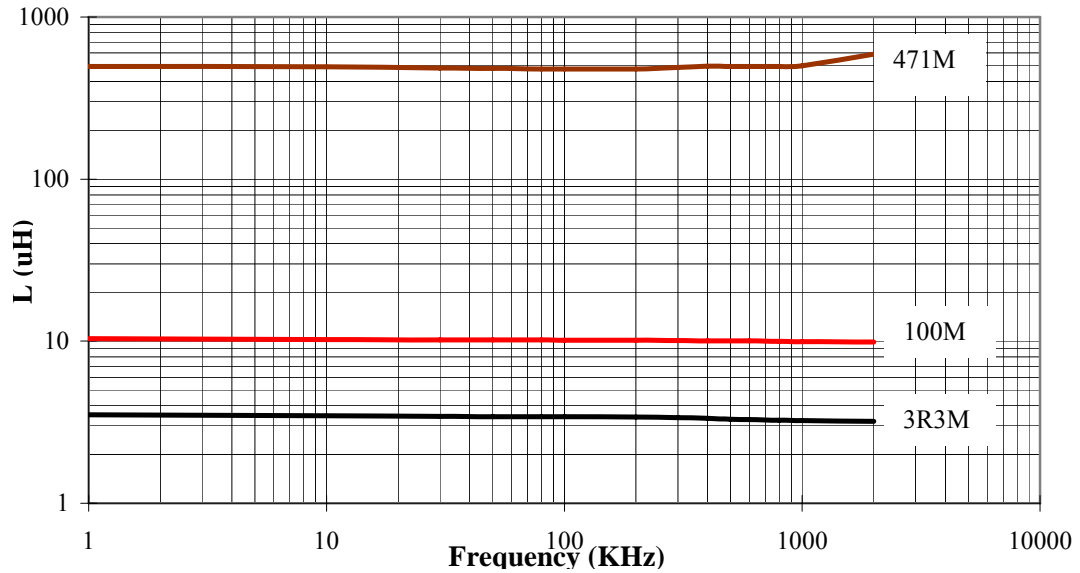
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D. Characteristic curve:

1. L vs. Frequency:



2. L vs. Current:

