



# Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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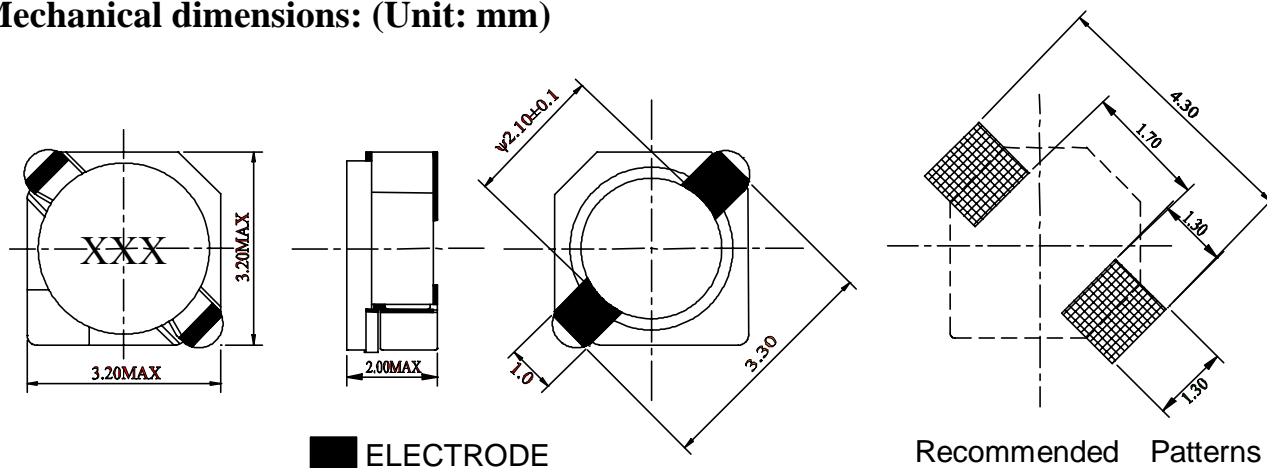
Web: frontierusa.com

## SMD Power Choke—CSS0218P series

### A. Electrical specifications:

Part No.	Mark	L (uH) $\pm$ 30%	Test Freq. (KHz)	DCR Max. (m $\Omega$ )	I rms. (A)	I sat. (mA)
CSS0218P-2R2N-LFR	2R2	2.2	100	41	2300	850
CSS0218P-3R3N-LFR	3R3	3.3	100	54	2100	750
CSS0218P-4R7N-LFR	4R7	4.7	100	78	1650	630
CSS0218P-6R8N-LFR	6R8	6.8	100	106	1320	520
CSS0218P-100N-LFR	100	10.0	100	180	1000	430
CSS0218P-150N-LFR	150	15.0	100	220	800	350
CSS0218P-220N-LFR	220	22.0	100	320	680	300
CSS0218P-330N-LFR	330	33.0	100	460	560	240
CSS0218P-470N-LFR	470	47.0	100	660	480	200

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



■ ELECTRODE

Type 1: Shielded

### C. Features:

1. Tolerance: N:  $\pm$ 30%.
2. Operating temperature: -40°C to +100°C.
3. Inductance measured on the HP4284A or HP4285A LCR meter.
4. DCR measured on the 502BC milli-ohm meter at 20°C.
5. Inductance drops no more than 35% at rated current applied or temperature rise  $\Delta t < 40^\circ\text{C}$ .
6. Inductance and Current range:  
CSS0218P-series: From 2.20  $\mu\text{H}$  (2.30 A) to 47.0  $\mu\text{H}$  (0.48 A).

**Note: RoHS compliant.**



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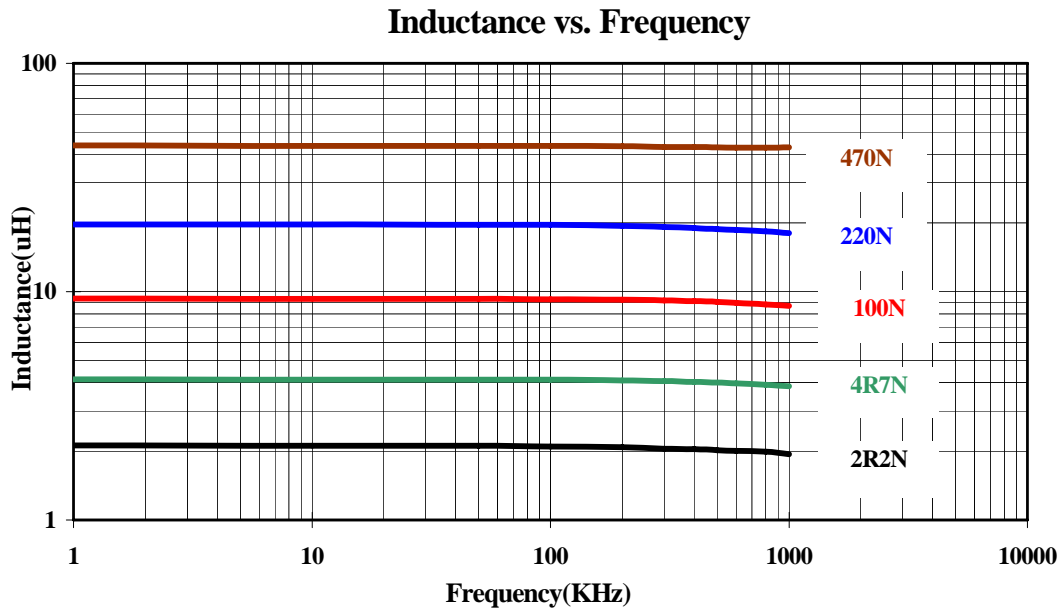
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## SMD Power Choke—CSS0218P series

### D. Characteristic curve:

#### 1. L vs. Frequency:



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

