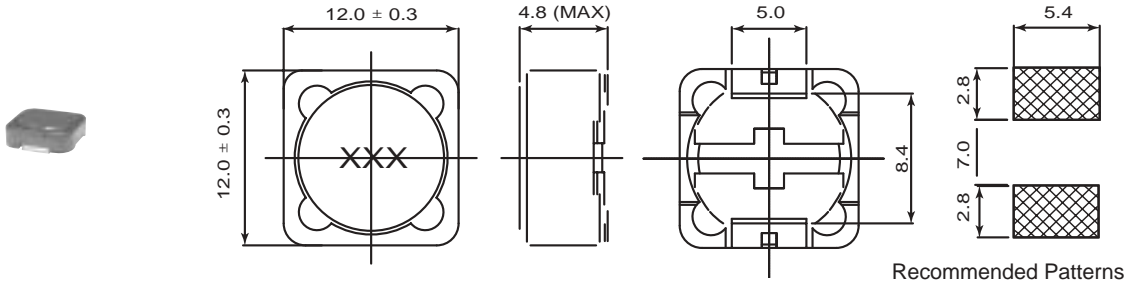


# SMD POWER CHOKES

## CSS124P SERIES (Shielded)

Mechanical Dimensions (Unit: mm)



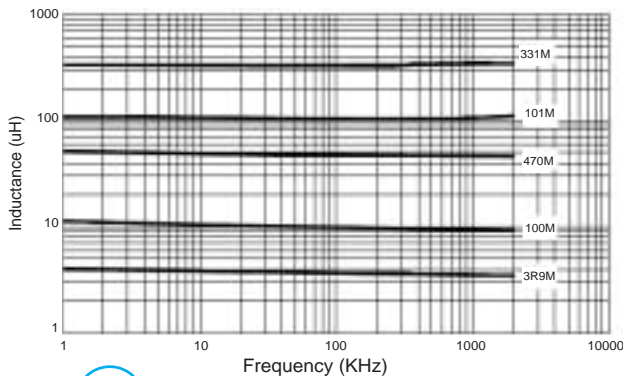
### Electrical Specifications:

| Part Number  | Marking | Inductance(μH) | Test Freq. (KHz) | DCR (mΩ) max | Rated current (A) |
|--------------|---------|----------------|------------------|--------------|-------------------|
| CSS124P-3R9M | 3R9     | 3.9            | 100              | 15           | 6.50              |
| CSS124P-4R7M | 4R7     | 4.7            | 100              | 18           | 5.70              |
| CSS124P-6R8M | 6R8     | 6.8            | 100              | 23           | 4.90              |
| CSS124P-8R2M | 8R2     | 8.2            | 100              | 26           | 4.60              |
| CSS124P-100M | 100     | 10             | 100              | 28           | 4.50              |
| CSS124P-120M | 120     | 12             | 100              | 38           | 4.00              |
| CSS124P-150M | 150     | 15             | 100              | 50           | 3.20              |
| CSS124P-180M | 180     | 18             | 100              | 57           | 3.10              |
| CSS124P-220M | 220     | 22             | 100              | 66           | 2.90              |
| CSS124P-270M | 270     | 27             | 100              | 80           | 2.80              |
| CSS124P-330M | 330     | 33             | 100              | 97           | 2.70              |
| CSS124P-390M | 390     | 39             | 100              | 132          | 2.10              |
| CSS124P-470M | 470     | 47             | 100              | 150          | 1.90              |
| CSS124P-560M | 560     | 56             | 100              | 190          | 1.80              |
| CSS124P-680M | 680     | 68             | 100              | 220          | 1.50              |
| CSS124P-820M | 820     | 82             | 100              | 260          | 1.30              |
| CSS124P-101M | 101     | 100            | 100              | 308          | 1.20              |
| CSS124P-121M | 121     | 120            | 100              | 380          | 1.10              |
| CSS124P-151M | 151     | 150            | 100              | 530          | 0.95              |
| CSS124P-181M | 181     | 180            | 100              | 620          | 0.85              |
| CSS124P-221M | 221     | 220            | 100              | 700          | 0.80              |
| CSS124P-271M | 271     | 270            | 100              | 870          | 0.60              |
| CSS124P-331M | 331     | 330            | 100              | 990          | 0.50              |

- a Tolerance: M:± 20%.
- b Operating Temp. : -25°C TO +85°C.
- c Inductance measured using the HP4284A LCR meter.
- d DCR measured using the 502BC milli-ohm meter.
- e Inductance drops no more than 25% of initial value at rated current temperature rises  $t < 40^{\circ}\text{C}$ .

### Characteristic Curve

Inductance vs. Frequency



Inductance vs. Current

