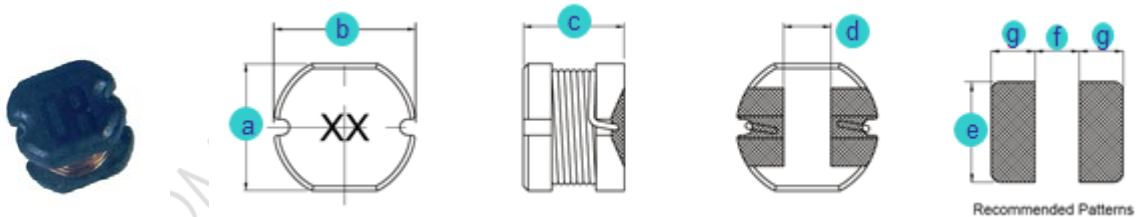


A. Electrical Specifications:

| P/N | Marking | Inductance (μ H) | Test Freq. (KHz) | DCR Max. (Ω) | Rated Current (A) |
|--------------|---------|--------------------------|---------------------|--------------------------|----------------------|
| CSN032D-1R0M | BA | 1.0 | 100 | 0.07 | 2.080 |
| CSN032D-1R4M | BE | 1.4 | 100 | 0.09 | 1.860 |
| CSN032D-1R8M | BI | 1.8 | 100 | 0.11 | 1.800 |
| CSN032D-2R2M | CC | 2.2 | 100 | 0.13 | 1.390 |
| CSN032D-2R7M | CH | 2.7 | 100 | 0.14 | 1.320 |
| CSN032D-3R3M | DD | 3.3 | 100 | 0.20 | 1.250 |
| CSN032D-3R9M | DJ | 3.9 | 100 | 0.21 | 1.200 |
| CSN032D-4R7M | EH | 4.7 | 100 | 0.33 | 1.030 |
| CSN032D-5R6M | FG | 5.6 | 100 | 0.35 | 0.910 |
| CSN032D-6R8M | GI | 6.8 | 100 | 0.38 | 0.850 |
| CSN032D-8R2M | IC | 8.2 | 100 | 0.43 | 0.820 |
| CSN032D-100M | KA | 10 | 100 | 0.50 | 0.740 |
| CSN032D-120M | QA | 12 | 100 | 0.65 | 0.640 |
| CSN032D-150M | MA | 15 | 100 | 0.82 | 0.600 |
| CSN032D-180M | RA | 18 | 100 | 0.90 | 0.540 |
| CSN032D-220M | LA | 22 | 100 | 1.14 | 0.500 |
| CSN032D-270M | SA | 27 | 100 | 1.39 | 0.430 |
| CSN032D-330M | NA | 33 | 100 | 1.55 | 0.400 |
| CSN032D-390M | PA | 39 | 100 | 2.15 | 0.370 |
| CSN032D-470M | OA | 47 | 100 | 2.44 | 0.360 |
| CSN032D-560M | UA | 56 | 100 | 2.68 | 0.310 |
| CSN032D-680M | VA | 68 | 100 | 3.05 | 0.300 |
| CSN032D-820M | XA | 82 | 100 | 3.48 | 0.280 |
| CSN032D-221M | LB | 220 | 100 | 6.30 | 0.200 |
| CSN032D-471M | OB | 470 | 100 | 14.00 | 0.090 |

B. Dimensions: mm (Inch)

| Series | a | b | c | d | e | f | g |
|---------|----------------------|----------------------|----------------------|----------------|----------------|----------------|----------------|
| CSN032D | 3.0 (0.118) | 3.3 (0.130) | 2.1 (0.083) | 1.0 (0.039) | 3.2 (0.126) | 1.2 (0.047) | 1.2 (0.047) |
| Tol. | \pm 0.3 (0.012) | \pm 0.3 (0.012) | \pm 0.3 (0.012) | Typ. | Typ. | Typ. | Typ. |



C. General Information:

1. CSN032D-xxx, "CSN032D" = P/N, "xxx" = Inductance, "-" = Tolerance.
2. Tolerance "-": M: \pm 20%, L: \pm 15%, K: \pm 10%.
3. Operating temperature range: -30°C to +100°C (Including self-heating).
4. Storage temperature: -40°C to +85°C.
5. Inductance measured using the HP4284A and Chroma1320 & 3302.
6. DCR measured using Chroma 16502 milliohm meter.
7. Inductance drop no more than 10% of initial value at rated current, temperature rise $\Delta t < 40^\circ\text{C}$.
8. Inductance and Current range: From 1.0 μ H (2.080A) to 470.0 μ H (0.090A).
9. MSL: Level 1.

D. Applications:

1. Game Consoles
2. Set Top Boxes
3. Cables Modems
4. Computers
5. Mobile Communication Devices (Cell Phones, Radios, etc.)
6. PDA, LCD, DVD, BRP, HD

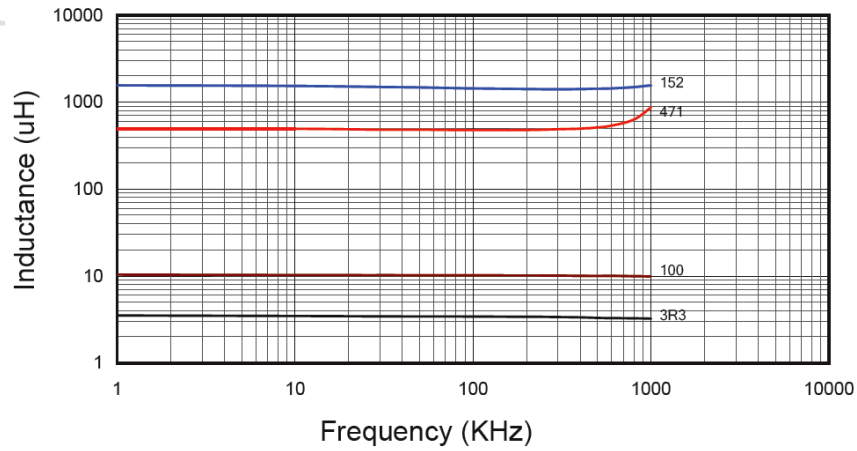


CSN032D Series SMD WIRE WOUND POWER INDUCTORS (UNSHIELDED)

Rev. A

E. Characteristics Curve:

Inductance vs. Frequency



Inductance vs. DC Current

