

CT920CYF Series

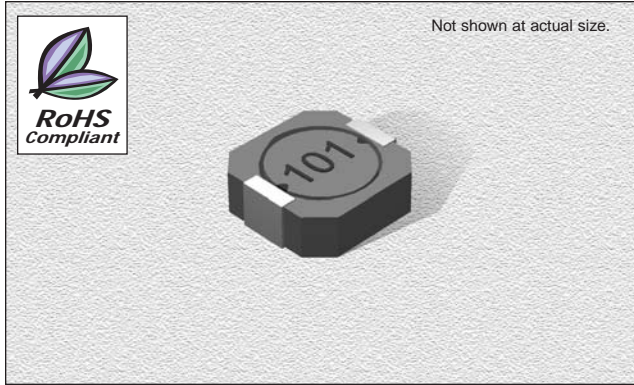
From 1.0 μH to 100 μH

SPECIFICATIONS

Part numbers indicate available tolerance.

N = $\pm 30\%$, M = $\pm 20\%$

* Inductance drop = 30% typ. at IDC



| Part Number | Inductance (μH) | L Test Freq. (kHz) | DCR ($\Omega \pm 20\%$) | IDC * Max. (A) |
|---------------|------------------------------|--------------------|---------------------------|----------------|
| CT920CYF-1R0N | 1.0 | 100 | 0.018 | 3.48 |
| CT920CYF-1R5N | 1.5 | 100 | 0.024 | 2.83 |
| CT920CYF-2R0N | 2.0 | 100 | 0.027 | 2.44 |
| CT920CYF-3R3N | 3.3 | 100 | 0.038 | 1.89 |
| CT920CYF-4R3N | 4.3 | 100 | 0.045 | 1.65 |
| CT920CYF-6R2N | 6.2 | 100 | 0.050 | 1.37 |
| CT920CYF-100M | 10 | 100 | 0.076 | 1.07 |
| CT920CYF-120M | 12 | 100 | 0.095 | 0.97 |
| CT920CYF-150M | 15 | 100 | 0.125 | 0.87 |
| CT920CYF-180M | 18 | 100 | 0.140 | 0.79 |
| CT920CYF-220M | 22 | 100 | 0.160 | 0.71 |
| CT920CYF-270M | 27 | 100 | 0.185 | 0.64 |
| CT920CYF-330M | 33 | 100 | 0.230 | 0.58 |
| CT920CYF-390M | 39 | 100 | 0.280 | 0.53 |
| CT920CYF-470M | 47 | 100 | 0.325 | 0.48 |
| CT920CYF-560M | 56 | 100 | 0.370 | 0.44 |
| CT920CYF-680M | 68 | 100 | 0.465 | 0.40 |
| CT920CYF-820M | 82 | 100 | 0.520 | 0.36 |
| CT920CYF-101M | 100 | 100 | 0.670 | 0.33 |

CHARACTERISTICS

Description: SMD (shielded) power inductor

Applications: Power supplies for VTR, OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.

Operating Temperature: -40°C to $+85^{\circ}\text{C}$

Inductance Tolerance: $\pm 20\%$, $\pm 30\%$

Testing: Tested on a HP4285A at 100 KHz, 0.1V

Packaging: Tape & Reel

Marking: Parts are marked with inductance code

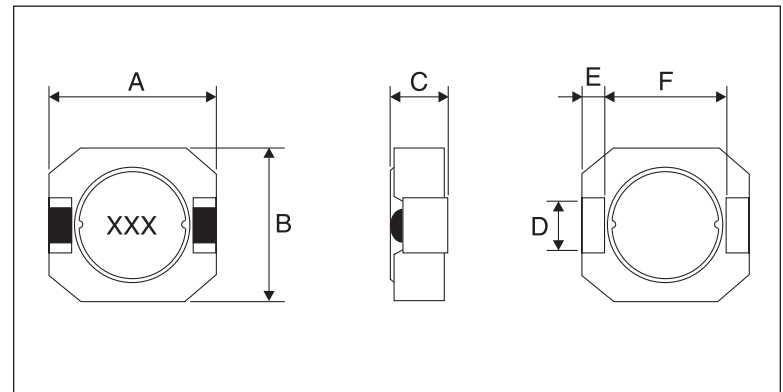
Miscellaneous: RoHS Compliant

Additional Information: Additional electrical & physical information available upon request

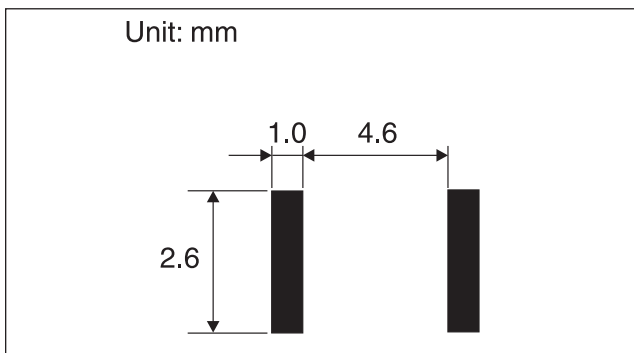
Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

| Size | A Max. | B Max. | C Max. | D | E | F |
|--------|--------|--------|--------|-----------------|-----------------|-----------------|
| mm | 6.3 | 6.2 | 2.5 | 2.0 ± 0.2 | 0.6 ± 0.2 | 4.8 ± 0.2 |
| inches | 0.25 | 0.24 | 0.10 | 0.08 ± 0.01 | 0.02 ± 0.01 | 0.19 ± 0.01 |



PAD LAYOUT



11.30.05