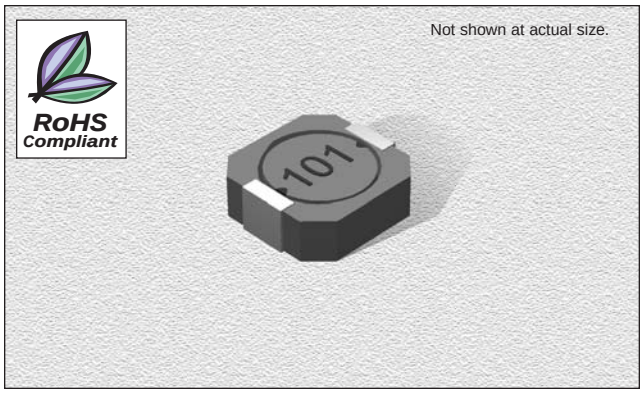
# CT920CYF Series

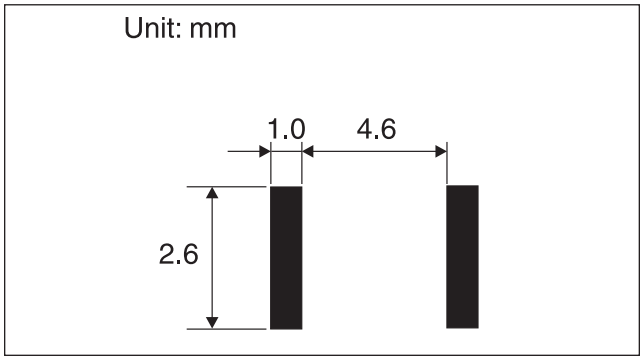
## From 1.0 µH to 100 µH




## 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°C
**Inductance Tolerance:** ±20%, ±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.**

## PAD LAYOUT



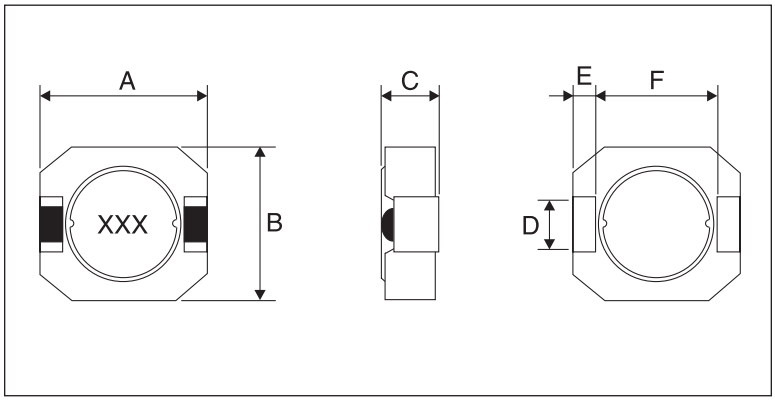

## SPECIFICATIONS

**Part numbers indicate available tolerance.**
**N = ±30%, M = ±20%**
* Inductance drop = 30% typ. at IDC

| Part Number | Inductance (µH) | L Test Freq. (kHz) | DCR (Ω ±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 |

## 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 |




11.30.05