

CT918CYF Series

From 1.0 μ H to 47 μ H



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: $\pm 20\%$, $\pm 30\%$
Testing: Tested on a HP4285A at 100KHz, 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.

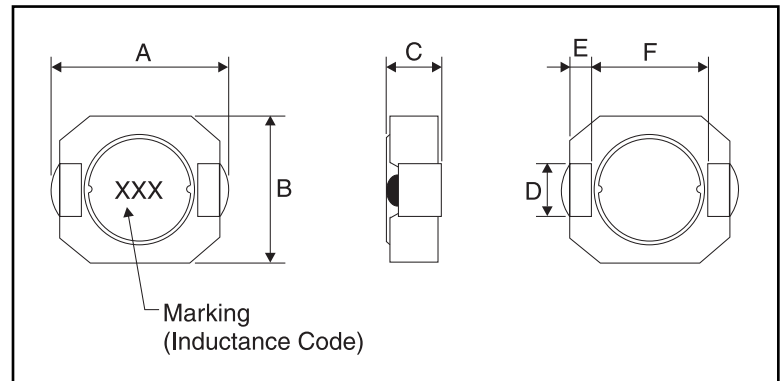
SPECIFICATIONS

Parts numbers indicate available inductance tolerance.
 N= $\pm 30\%$, M= $\pm 20\%$
 *Inductance drop= 30% typ. at IDC

| Part Number | Inductance (μ H) | L Test Freq. (KHz) | DCR Max. (Ω) | IDC* Max. (A) |
|---------------|-----------------------|--------------------|-----------------------|---------------|
| CT918CYF-1R0N | 1.0 | 100 | 0.022 | 3.50 |
| CT918CYF-1R5N | 1.5 | 100 | 0.030 | 2.94 |
| CT918CYF-2R0N | 2.0 | 100 | 0.040 | 2.47 |
| CT918CYF-3R3N | 3.3 | 100 | 0.055 | 1.99 |
| CT918CYF-4R7N | 4.7 | 100 | 0.070 | 1.59 |
| CT918CYF-6R2N | 6.2 | 100 | 0.110 | 1.49 |
| CT918CYF-8R2N | 8.2 | 100 | 0.140 | 1.25 |
| CT918CYF-100M | 10 | 100 | 0.160 | 1.22 |
| CT918CYF-120M | 12 | 100 | 0.200 | 0.99 |
| CT918CYF-150M | 15 | 100 | 0.230 | 0.94 |
| CT918CYF-180M | 18 | 100 | 0.260 | 0.83 |
| CT918CYF-220M | 22 | 100 | 0.310 | 0.80 |
| CT918CYF-270M | 27 | 100 | 0.390 | 0.65 |
| CT918CYF-330M | 33 | 100 | 0.510 | 0.63 |
| CT918CYF-390M | 39 | 100 | 0.570 | 0.55 |
| CT918CYF-470M | 47 | 100 | 0.730 | 0.50 |

PHYSICAL DIMENSIONS

| Size | A | B | C | D | E | F |
|--------|------|------|------|-----------------|-----------------|-----------------|
| | Max. | Max. | Max. | | | |
| mm | 6.9 | 6.2 | 2.0 | 2.0 \pm 0.2 | 0.6 \pm 0.2 | 4.6 \pm 0.2 |
| inches | 0.27 | 0.24 | 0.08 | 0.08 \pm 0.01 | 0.02 \pm 0.01 | 0.18 \pm 0.01 |



PAD LAYOUT

