

CT920CYF Series

From 1.0 μH to 100 μH

ENGINEERING KIT #37



CHARACTERISTICS

- Description:** SMD (shielded) power inductor.
- Applications:** Power supplies for 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 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.**

SPECIFICATIONS

Part numbers indicate available tolerance.

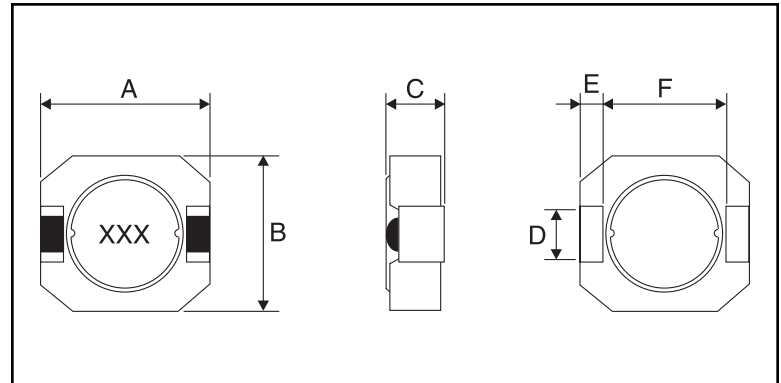
N = $\pm 30\%$, M = $\pm 20\%$

*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-4R7N	4.7	100	0.033	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 \pm 0.2	0.6 \pm 0.2	4.8 \pm 0.2
inches	0.25	0.24	0.10	0.08 \pm 0.01	0.02 \pm 0.01	0.19 \pm 0.01



PAD LAYOUT

