

## CT918CYF Series

From 1.0 $\mu$ H to 47 $\mu$ H

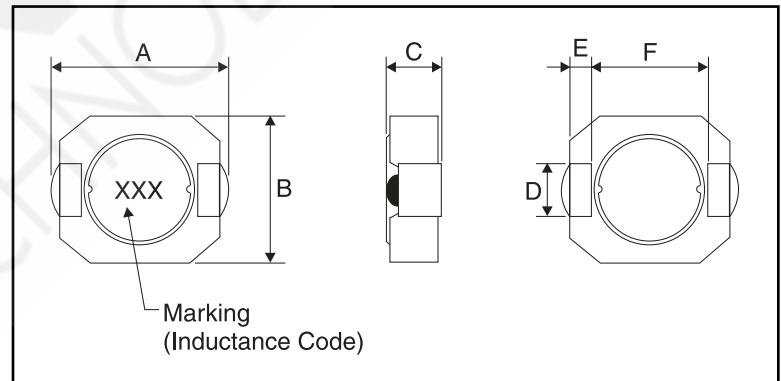


**SPECIFICATIONS**  
 Parts numbers indicate available inductance tolerance.  
 N=  $\pm 30\%$ , M=  $\pm 20\%$   
 \*Inductance drop= 30% typ. at IDC

Part Number	Inductance ( $\mu$ H)	L Test Freq. (KHz)	DCR Max. ( $\Omega$ )	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



### 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.**

### PAD LAYOUT

