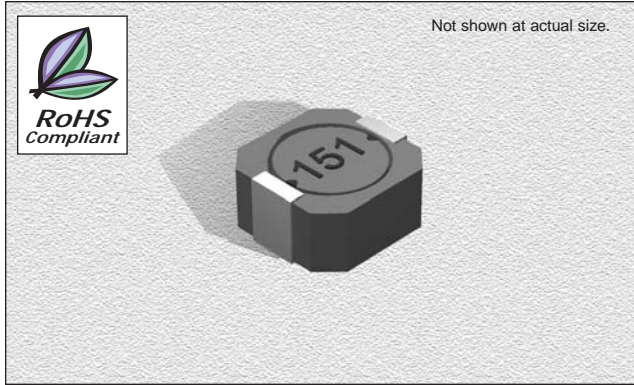


## CT916CYF Series

From 2.0  $\mu\text{H}$  to 150  $\mu\text{H}$



### 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:**  $\pm 20\%$

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

**Packaging:** Tape & Reel

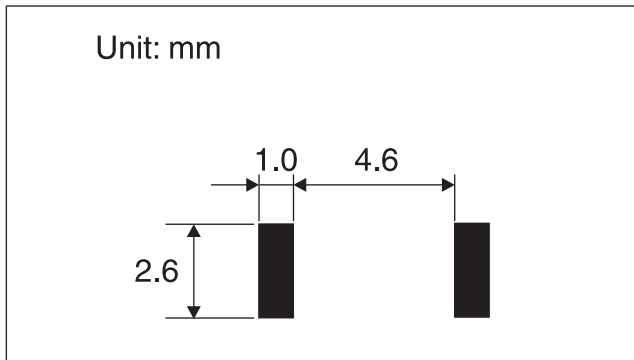
**Marking:** Parts are marked with inductance code

**Miscellaneous:** RoHS Compliant

**Additional Information:** Additional electrical & physical information available upon request

**Samples available. See website for ordering information.**

### PAD LAYOUT



### SPECIFICATIONS

Parts are available in  $\pm 20\%$  tolerance only.  
\* Inductance drop = 30% typ. at IDC.

Part Number	Inductance ( $\mu\text{H} \pm 20\%$ )	L Test Freq. (kHz)	DCR ( $\Omega \pm 20\%$ )	IDC * Max. (A)
CT916CYF-2R0M	2.0	100	0.016	3.00
CT916CYF-2R7M	2.7	100	0.018	2.69
CT916CYF-3R3M	3.3	100	0.021	2.57
CT916CYF-4R7M	4.7	100	0.027	2.08
CT916CYF-6R2M	6.2	100	0.031	1.84
CT916CYF-8R2M	8.2	100	0.046	1.54
CT916CYF-100M	10	100	0.050	1.49
CT916CYF-120M	12	100	0.055	1.28
CT916CYF-150M	15	100	0.064	1.10
CT916CYF-180M	18	100	0.075	1.05
CT916CYF-220M	22	100	0.088	0.97
CT916CYF-270M	27	100	0.117	0.82
CT916CYF-330M	33	100	0.140	0.76
CT916CYF-390M	39	100	0.165	0.70
CT916CYF-470M	47	100	0.178	0.68
CT916CYF-560M	56	100	0.214	0.60
CT916CYF-680M	68	100	0.266	0.56
CT916CYF-820M	82	100	0.349	0.47
CT916CYF-101M	100	100	0.397	0.45
CT916CYF-151M	150	100	0.553	0.37

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F
mm	6.3	6.2	3.5	2.0 $\pm$ 0.2	0.6 $\pm$ 0.2	4.8 $\pm$ 0.2
inches	0.25	0.24	0.14	0.08 $\pm$ 0.01	0.02 $\pm$ 0.01	0.19 $\pm$ 0.01

