

## CTDO3316HCF Series

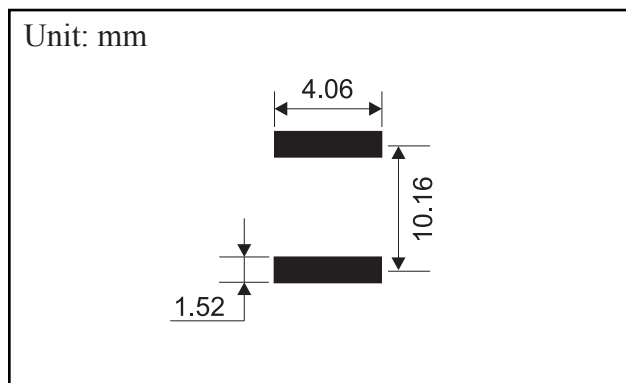
From 0.33 $\mu$ H to 100 $\mu$ H



### CHARACTERISTICS

**Description:** SMD (high current) power inductor  
**Applications:** DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops  
**Operating Temperature:** -40°C to +85°C  
 $\Delta T$ : 40°C typically at  $I_{rms}$   
**Inductance Tolerance:**  $\pm 20\%$  (0.33 $\mu$ H =  $\pm 30\%$ )  
**Inductance Drop:** 10% typically  $I_{sat}$   
**Testing:** Inductance is tested on an HP4285A at 100kHz  
**Packaging:** Tape & Reel  
**Marking:** Color dots OR inductance code  
**Miscellaneous:** RoHS Compliant  
**Additional Information:** Additional electrical & physical information available upon request  
**Samples available. See website for ordering information.**

### PAD LAYOUT



### SPECIFICATIONS

All parts are available in  $\pm 20\%$  inductance tolerance except 0.33 $\mu$ H which is only available in  $\pm 30\%$  inductance tolerance

Part Number	Inductance ( $\mu$ H)	L Test Freq. (KHz)	DCR ( $\Omega$ )	SRF (MHz)	$I_{sat}$ (A)	$I_{rms}$ (A)
CTDO3316PF-331HC	.33	100	.002	300	20	16
CTDO3316PF-681HC	.68	100	.005	200	13	12
CTDO3316PF-102HC	1.0	100	.006	100	11	120
CTDO3316PF-152HC	1.5	100	.008	90	9.0	9
CTDO3316PF-222HC	2.2	100	.011	90	7.8	7.4
CTDO3316PF-272HC	2.7	100	.012	65	7.0	6.6
CTDO3316PF-332HC	3.3	100	.014	65	6.4	5.7
CTDO3316PF-472HC	4.7	100	.018	45	5.4	4.8
CTDO3316PF-682HC	6.8	100	.035	35	3.6	5
CTDO3316PF-103HC	10	100	.04	26	3.3	4.3
CTDO3316PF-153HC	15	100	.06	21	2.4	3.5
CTDO3316PF-223HC	22	100	.08	17	2.0	2.8
CTDO3316PF-333HC	33	100	.15	14	1.7	2.1
CTDO3316PF-473HC	47	100	.28	12	1.4	1.7
CTDO3316PF-683HC	68	100	.30	9	1.2	1.5
CTDO3316PF-104HC	100	100	.40	7	.95	1.2

### PHYSICAL DIMENSIONS

Size	A	B	C	D
	Max.	Max.	Max.	Max.
mm	9.91	8.38	6.35	13.21
inches	0.39	0.33	0.25	0.52

Parts will be marked with Significant Digit Dots OR Inductance Code

