

CTDT3316F Series

From 1.0 μ H to 1,000 μ H



SPECIFICATIONS

Parts are available in $\pm 20\%$ inductance tolerance only.

Part Number	SPECIFICATIONS			OPERATING PARAMETERS				
	0 ADC Inductance (μ H $\pm 20\%$)	DCR Max. (Ω)	SRF Typ. (MHz)	Inductance Rating (μ H)	L Test Freq. (kHz)	Current Rating (A)	Max. Energy Storage (μ Joules)	Max. Switch Freq.
CTDT3316PF-102	1.0	.025	60	.50	100	5.0	9.0	1MHz
CTDT3316PF-152	1.5	.030	55	.70	100	5.0	12	1MHz
CTDT3316PF-222	2.2	.035	55	1.0	100	5.0	15	1MHz
CTDT3316PF-332	3.3	.040	50	1.5	100	5.0	16	1MHz
CTDT3316PF-472	4.7	.045	45	2.0	100	3.0	10	1MHz
CTDT3316PF-682	6.8	.050	40	4.0	100	2.5	14	1MHz
CTDT3316PF-103	10	.055	35	5.0	100	2.0	11	1MHz
CTDT3316PF-153	15	.060	25	6.0	100	1.8	12	1MHz
CTDT3316PF-223	22	.084	22	10	100	1.5	11	1MHz
CTDT3316PF-333	33	.090	18	12	100	1.3	13	1MHz
CTDT3316PF-473	47	.110	16	27	100	1.0	13	1MHz
CTDT3316PF-683	68	.150	12	40	100	.90	17	1MHz
CTDT3316PF-104	100	.290	9	50	100	.80	15	1MHz
CTDT3316PF-154	150	.360	8	80	100	.60	15	500kHz
CTDT3316PF-224	220	.390	6	90	100	.50	10	500kHz
CTDT3316PF-334	330	.730	5	150	100	.40	13	500kHz
CTDT3316PF-474	470	.880	4	200	100	.35	13	500kHz
CTDT3316PF-684	680	1.15	3	300	100	.30	13	500kHz
CTDT3316PF-105	1000	1.45	2.5	420	100	.25	13	500kHz

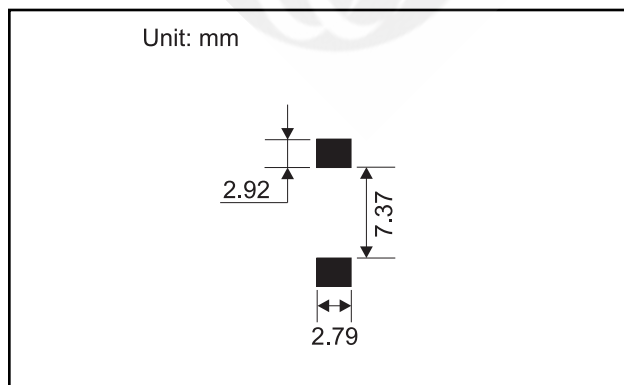
PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
	Max.	Max.	Max.			
mm	12.95	9.4	5.08	2.54	2.54	7.62
inches	0.51	0.37	0.2	0.1	0.1	0.3

CHARACTERISTICS

- Description:** SMD (shielded) power inductor
- Applications:** Ideal for high performance DC/DC converter applications, computers, LCD displays and telecommunication equipment. Especially those requiring shielding
- Operating Temperature:** -40°C to 125°C (including self-temperature rise)
- Inductance Tolerance:** $\pm 20\%$
- Testing:** Inductance is tested on an HP4285A at 100kHz
- Packaging:** Tape & Reel
- Marking:** Letter identifier OR color dots
- Miscellaneous:** **RoHS Compliant.** Magnetically shielded
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

PAD LAYOUT



Parts will be marked with Significant Digit Dots or Letter Identifier

