

# CTDO3308PF-333 Datasheet

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DiGi Electronics Part Number	CTDO3308PF-333-DG
Manufacturer	<a href="#">Central Technologies</a>
Manufacturer Product Number	CTDO3308PF-333
Description	33UH SMD POWER INDUCTOR
Detailed Description	33 $\mu$ H Unshielded Wirewound Inductor 1.2 A 250m Ohm Max Nonstandard

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## Purchase and inquiry

Manufacturer Product Number:

CTDO3308PF-333

Series:

CTDO3308PF

Type:

Wirewound

Inductance:

33  $\mu$ H

Current Rating (Amps):

1.2 A

Shielding:

Unshielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

100 kHz

Mounting Type:

Surface Mount

Supplier Device Package:

-

Height - Seated (Max):

0.118" (3.00mm)

Manufacturer:

Central Technologies

Product Status:

Active

Material - Core:

-

Tolerance:

$\pm$ 20%

Current - Saturation (Isat):

1.6A

DC Resistance (DCR):

250mOhm Max

Frequency - Self Resonant:

-

Operating Temperature:

-40°C ~ 85°C

Features:

-

Package / Case:

Nonstandard

Size / Dimension:

0.510" L x 0.370" W (12.95mm x 9.40mm)

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH info available upon request

Moisture Sensitivity Level (MSL):

Vendor Undefined

# Power Inductors - Unshielded

## CTDO3308F Series

From 4.7 $\mu$ H to 1,000 $\mu$ H



### CHARACTERISTICS

**Description:** SMD power inductor

**Applications:** DC/DC converters, computers, LCD displays, telecommunication equipment and PDA palm tops

**Operating Temperature:** -40°C to +85°C

**Inductance Tolerance:**  $\pm 20\%$

**Inductance Drop:** 10% typically at Isat

**Testing:** Inductance is tested on an HP4285A at 100kHz

**Packaging:** Tape & Reel

**Marking:** Color dots or inductance code

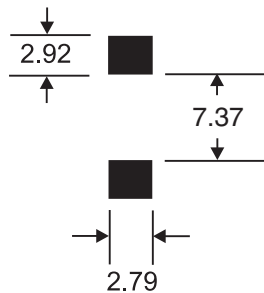
**Miscellaneous:** RoHS Compliant

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

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

### PAD LAYOUT

Unit: mm



### SPECIFICATIONS

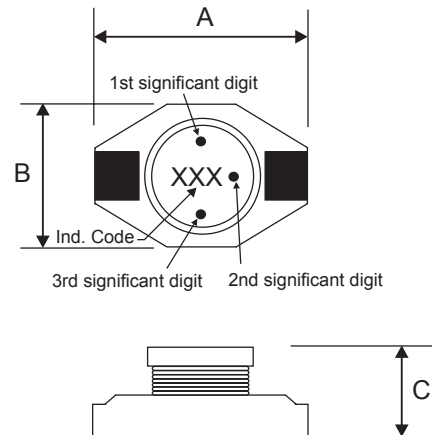
Parts are available in  $\pm 20\%$  inductance tolerance only.

Part Number	Inductance ( $\mu$ H)	L Test Freq. (kHz)	DCR Max. ( $\Omega$ )	Isat (A)	Irms (A)
CTDO3308PF-472	4.7	100	0.036	4.2	3.2
CTDO3308PF-682	6.8	100	0.060	3.9	2.6
CTDO3308PF-103	10	100	0.085	2.7	2.3
CTDO3308PF-153	15	100	0.12	2.3	1.9
CTDO3308PF-223	22	100	0.18	1.8	1.5
CTDO3308PF-333	33	100	0.25	1.6	1.2
CTDO3308PF-473	47	100	0.32	1.3	1.0
CTDO3308PF-683	68	100	0.54	1.1	0.9
CTDO3308PF-104	100	100	0.69	0.87	0.73
CTDO3308PF-154	150	100	0.94	0.74	0.62
CTDO3308PF-224	220	100	1.60	0.56	0.51
CTDO3308PF-334	330	100	2.15	0.50	0.40
CTDO3308PF-474	470	100	3.30	0.40	0.33
CTDO3308PF-684	680	100	4.40	0.33	0.28
CTDO3308PF-105	1000	100	7.00	0.29	0.23

### PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F
mm	12.95	9.4	3	2.54	2.54	7.62
inches	0.51	0.37	0.12	0.1	0.1	0.3

Parts will be marked with Significant Digit Dots OR Inductance Code



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