

CTDO5040F-473M Datasheet

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DiGi Electronics Part Number	CTDO5040F-473M-DG
Manufacturer	Central Technologies
Manufacturer Product Number	CTDO5040F-473M
Description	47UH SMD UNSHLD POWER INDUCTOR
Detailed Description	47 μ H Unshielded Wirewound Inductor 3.5 A 55mOhm Max Nonstandard

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Purchase and inquiry

Manufacturer Product Number:

CTDO5040F-473M

Series:

CTDO5040F

Type:

Wirewound

Inductance:

47 μ H

Current Rating (Amps):

3.5 A

Shielding:

Unshielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

100 kHz

Mounting Type:

Surface Mount

Supplier Device Package:

-

Height - Seated (Max):

0.450" (11.43mm)

Manufacturer:

Central Technologies

Product Status:

Active

Material - Core:

-

Tolerance:

\pm 20%

Current - Saturation (Isat):

7A

DC Resistance (DCR):

55mOhm Max

Frequency - Self Resonant:

-

Operating Temperature:

-40°C ~ 85°C

Features:

-

Package / Case:

Nonstandard

Size / Dimension:

0.730" L x 0.600" W (18.54mm x 15.24mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH info available upon request

Moisture Sensitivity Level (MSL):

Vendor Undefined

Power Inductors - Unshielded

CTDO5040F Series From 0.68 μ H to 150 μ H



SPECIFICATIONS

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

Part Number	Inductance (μ H)	L Test Freq. (kHz)	DCR Max. (m Ω)	I _{rated} Max. (A)	I _{sat} Max. (A)
CTDO5040F-681M	0.68	100	2.0	20.0	64
CTDO5040F-122M	1.20	100	2.6	17.7	48
CTDO5040F-222M	2.20	100	3.7	14.7	35
CTDO5040F-332M	3.30	100	4.3	13.7	29
CTDO5040F-392M	3.90	100	6.7	11.7	26
CTDO5040F-472M	4.70	100	6.9	10.8	24
CTDO5040F-682M	6.80	100	9.8	9.0	20
CTDO5040F-103M	10.0	100	15	7.1	16
CTDO5040F-183M	18.0	100	25	6.0	13
CTDO5040F-223M	22.0	100	27	5.4	11
CTDO5040F-333M	33.0	100	42	4.4	9
CTDO5040F-393M	39.0	100	50	4.0	8
CTDO5040F-473M	47.0	100	55	3.5	7
CTDO5040F-104M	100	100	153	2.3	5
CTDO5040F-154M	150	100	200	2.0	4

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
	Max.	Max.	Max.			
mm	18.54	15.24	11.43	2.54	2.54	12.7
inches	0.73	0.6	0.450	0.1	0.1	0.5

CHARACTERISTICS

Description: SMD power inductor

Applications: DC/DC converters, computers, LCD displays, telecommunication equipment. Designed for the higher current requirements of portable computers

Operating Temperature: -40°C to +85°C

Inductance Tolerance: $\pm 20\%$

Inductance Drop: 10% typically at I_{sat}

Testing: Inductance is tested on a HP4285A at 100kHz

Packaging: Tape & Reel

Marking: Inductance code

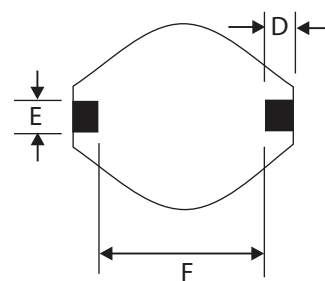
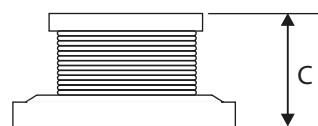
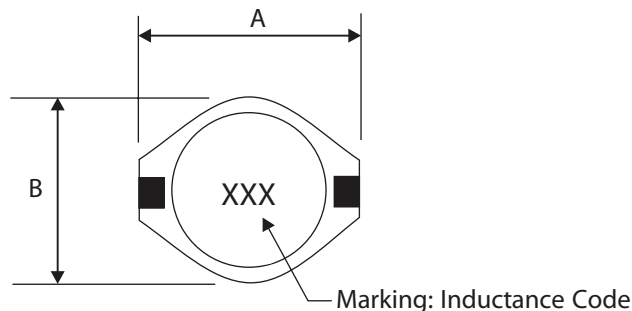
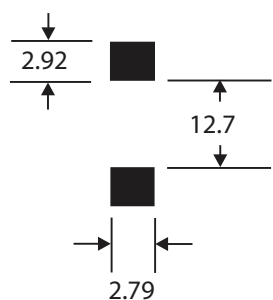
Miscellaneous: RoHS Compliant

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT

Unit: mm



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