

CTLV3010SF-150M Datasheet

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DiGi Electronics Part Number	CTLV3010SF-150M-DG
Manufacturer	Central Technologies
Manufacturer Product Number	CTLV3010SF-150M
Description	15UH SMD POWER INDUCTOR
Detailed Description	15 μ H Shielded Inductor 490 mA 625mOhm 1212 (3030 Metric)

<https://www.DiGi-Electronics.com>



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Purchase and inquiry

Manufacturer Product Number:

CTLV3010SF-150M

Series:

CTLV3010SF

Type:

-

Inductance:

15 μ H

Current Rating (Amps):

490 mA

Shielding:

Shielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

1 MHz

Mounting Type:

Surface Mount

Supplier Device Package:

1212

Height - Seated (Max):

0.040" (1.02mm)

Manufacturer:

Central Technologies

Product Status:

Active

Material - Core:

-

Tolerance:

\pm 20%

Current - Saturation (Isat):

500mA

DC Resistance (DCR):

625mOhm

Frequency - Self Resonant:

-

Operating Temperature:

-55°C ~ 125°C

Features:

-

Package / Case:

1212 (3030 Metric)

Size / Dimension:

0.118" L x 0.118" W (3.00mm x 3.00mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH info available upon request

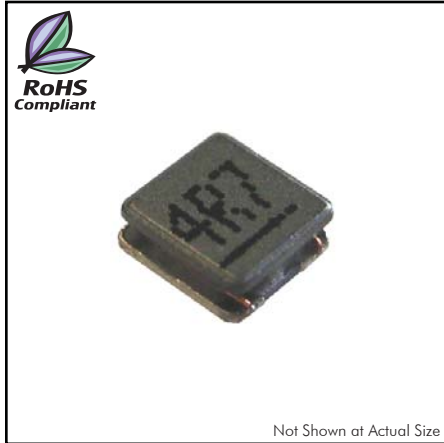
Moisture Sensitivity Level (MSL):

Vendor Undefined

Power Inductors - Shielded

CTLV3010SF Series

From 1.5µH to 47µH



CHARACTERISTICS

- Description:** SMD power inductors sealed with magnetic resin.
- Applications:** Smart phones, DSC, Tablet PC's, DC/DC converters, etc.
- Operating Temperature:** -55°C to +125°C (including self - temperature rise)
- Inductance Tolerance:** ±20%, ±30%
- Testing:** Inductance is tested on an HP4284A at 1.0MHz, 200mV
- 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.**

SPECIFICATIONS

Please specify inductance tolerance code when ordering.

CTLV3010SF-1R5_ ← M = ±20%, N = ±30%

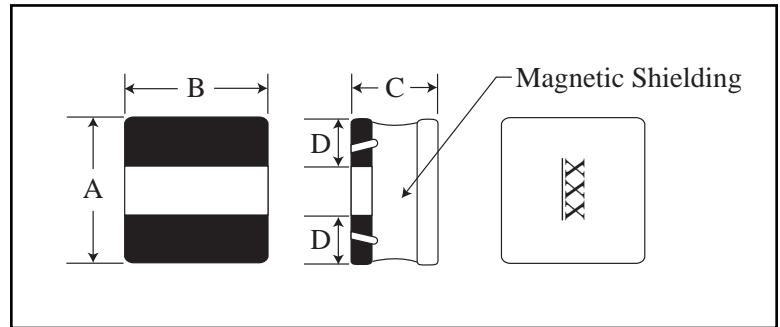
*Isat: For inductance drop 30% from its value without current.

**Irms: For a 40°C rise above 25°C ambient.

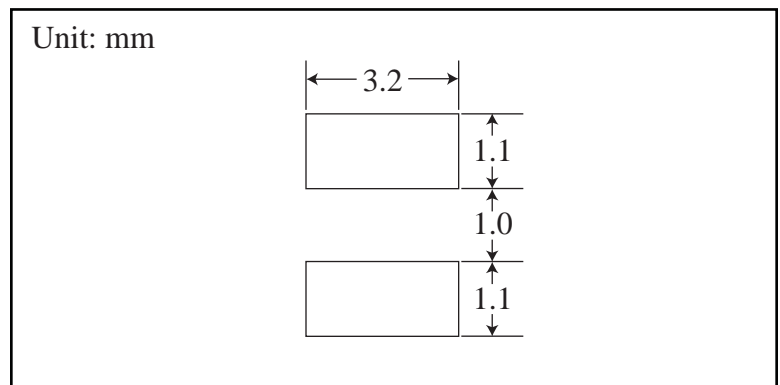
Part Number	Inductance (µH)	L Test Freq. (MHz)	DCR ±30% (Ω)	*Isat Typ.(Max.) (A)	**Irms Typ.(Max.) (A)
CTLV3010SF-1R5_	1.5	1.0	0.085	1.80(1.62)	1.70(1.53)
CTLV3010SF-2R2_	2.2	1.0	0.100	1.50(1.35)	1.40(1.26)
CTLV3010SF-4R7_	4.7	1.0	0.205	1.00(0.90)	0.95(0.85)
CTLV3010SF-6R8_	6.8	1.0	0.310	0.87(0.78)	0.85(0.76)
CTLV3010SF-10_	10	1.0	0.430	0.64(0.57)	0.63(0.56)
CTLV3010SF-15_	15	1.0	0.625	0.56(0.50)	0.55(0.49)
CTLV3010SF-22_	22	1.0	0.870	0.47(0.42)	0.46(0.41)
CTLV3010SF-47_	47	1.0	1.75	0.29(0.26)	0.28(0.25)

PHYSICAL DIMENSIONS

Size	A	B	C	D
			Max.	
mm	3.0±0.20	3.0±0.20	1.02	1.0
inches	0.118±0.008	0.118±0.008	0.040	0.039



PAD LAYOUT



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