

CT1008LSF-332J Datasheet

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DiGi Electronics Part Number	CT1008LSF-332J-DG
Manufacturer	Central Technologies
Manufacturer Product Number	CT1008LSF-332J
Description	SMD FER CORE WIRE-WOUND INDUCTOR
Detailed Description	3.3 μ H Wirewound Inductor 1.46Ohm

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Purchase and inquiry

Manufacturer Product Number:

CT1008LSF-332J

Series:

ct1008lsf

Type:

Wirewound

Tolerance:

±5%

Frequency - Self Resonant:

120MHz

Mounting Type:

Surface Mount

Manufacturer:

Central Technologies

Product Status:

Active

Inductance:

3.3 μ H

DC Resistance (DCR):

1.46Ohm

Operating Temperature:

-25°C ~ 85°C

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH info available upon request

Moisture Sensitivity Level (MSL):

Vendor Undefined

SMD Wire-wound Chip Inductors

CT1008LSF Series

From 1.0 μH to 15 μH



CHARACTERISTICS

Description: SMD ferrite core wire-wound chip inductor.

Applications: LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, disk drives and computer peripherals, audio and video equipment, TV, radio and telecommunication equipment.

Operating Temperature: -25°C to +85°C

Inductance Tolerance: $\pm 5\%$, $\pm 10\%$, $\pm 20\%$

Testing: Inductance and Q are tested on an HP4286A at specified frequency.

Packaging: Tape & Reel, 2,000 parts per reel.

Miscellaneous: RoHS Compliant.

Marking: Parts are marked with color dots (nH).

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

Samples available. See website for ordering information.

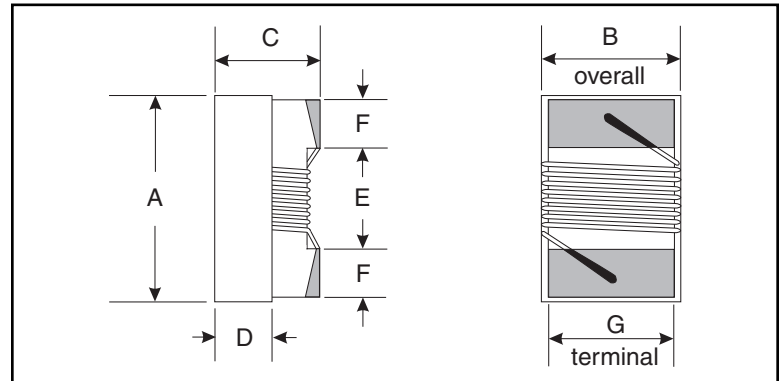
SPECIFICATIONS

Please specify tolerance code when ordering.
CT1008LSF-122_ ← J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$

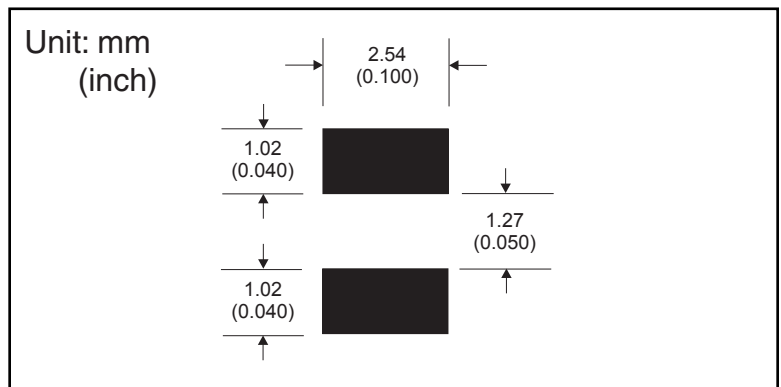
Part Number	Inductance (μH)	L Test Freq. (MHz)	Q Fact. Min.	Q Test Freq. (MHz)	SRF Typ. (MHz)	DCR Max. (Ω)	Rated DC (mA)
CT1008LSF-102_	1.0	7.9	48	50	230	0.62	700
CT1008LSF-122_	1.2	7.9	48	50	210	0.68	650
CT1008LSF-152_	1.5	7.9	41	50	190	0.76	630
CT1008LSF-182_	1.8	7.9	39	50	170	0.84	600
CT1008LSF-222_	2.2	7.9	34	50	150	1.10	520
CT1008LSF-272_	2.7	7.9	34	50	135	1.28	490
CT1008LSF-332_	3.3	7.9	32	50	120	1.46	450
CT1008LSF-392_	3.9	7.9	32	7.9	105	1.56	420
CT1008LSF-472_	4.7	7.9	31	7.9	90	1.68	400
CT1008LSF-562_	5.6	7.9	31	7.9	80	1.82	380
CT1008LSF-682_	6.8	7.9	31	7.9	70	2.00	360
CT1008LSF-822_	8.2	7.9	23	7.9	65	2.65	330
CT1008LSF-103_	10	7.9	31	7.9	60	2.95	300
CT1008LSF-153_	15	7.9	35	7.9	38	2.40	450

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.	D	E	F	G
mm	2.99	2.79	2.2	0.70	1.52	0.51	2.03
inches	0.118	0.110	0.087	0.028	0.060	0.020	0.080



PAD LAYOUT



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