

CMI-NMCI3216-SERIES

Features

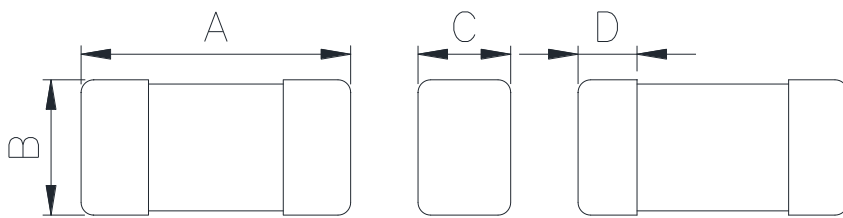
- ▶ Halogen-Free / RoHS compliant.
- ▶ Monolithic structure for high reliability
- ▶ Dimensions are unified for automatic mounting.
- ▶ Excellent solderability and high heat resistance for either flow or reflow soldering.
- ▶ No cross coupling between inductors due to magnetic shield and is suitable for high density printed circuit boards.



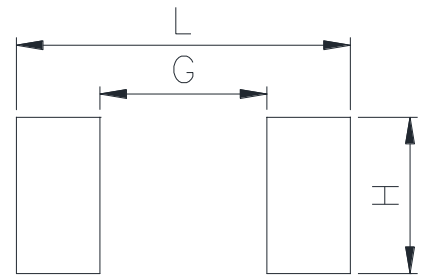
Applications

- ▶ Mother board, Tablet PC, Notebook, Desktop computers and peripheral equipment
- ▶ DSC, DVC, LCD Television, Set Top Box.
- ▶ Mobile phone, Smart phone, PND
- ▶ Digital communication equipment
- ▶ Various electronic equipment.
- ▶ Various automotive electronics
- ▶ Circuit where a stable ground is unavailable

Dimension (Unit:mm)

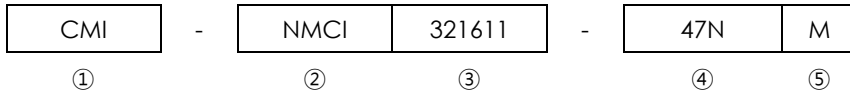


Land Pattern (Unit:mm)



Inductance Value(μH)	A	B	C	D	L	G	H
0.047 ~ 33	3.2±0.2	1.6±0.2	1.1±0.3	0.4~1.0	4.40	2.20	2.06
39 ~ 47	3.2±0.2	1.6±0.2	1.6±0.3	0.4~1.0	4.40	2.20	2.06

Regulation of part number



- ① CoilMaster's initial
- ② Product Series Name
- ③ Core Size (unit:mm)
- ④ Inductance Value (47N : 47 nH)
- ⑤ Inductance Tolerance (G : ±2%, J : ±5%, K : ±10%, M : ±20%)

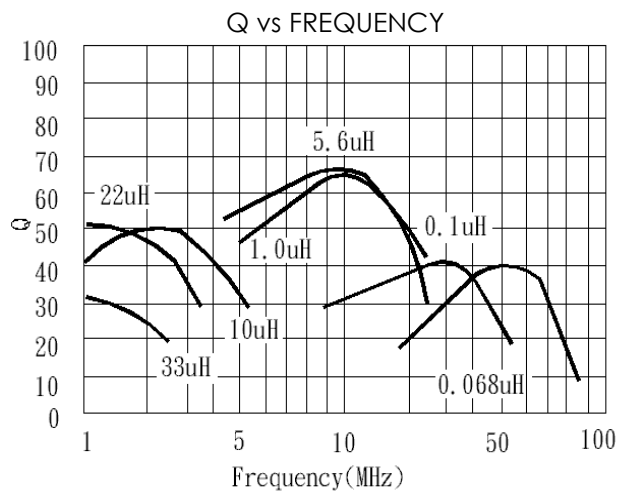
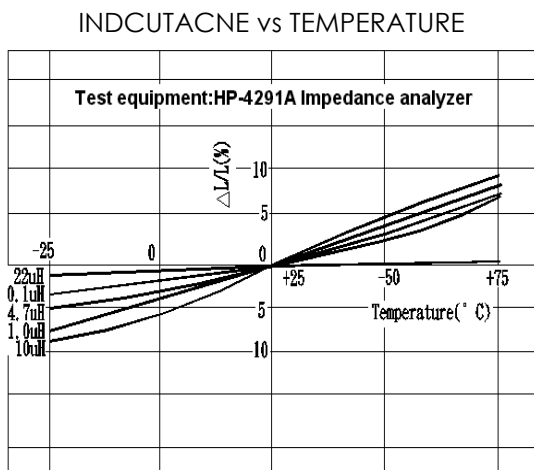
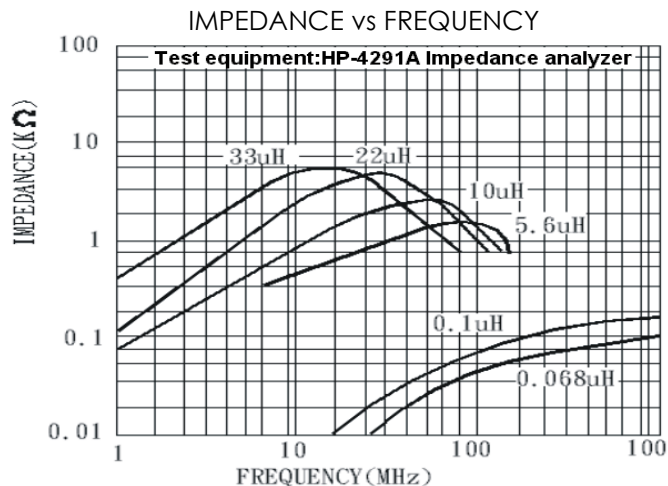
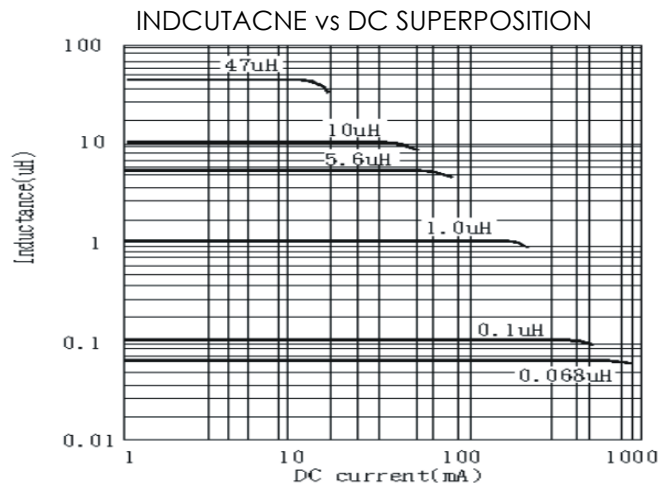
Specifications

Part Number	Inductance (μ H) K: ±10%, M: ±20%	Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	DC Resistance (ohm) Max.	Rated Current (mA) Max.
CMI-NMCI3216-47NM	0.047	20	50	320	0.15	300
CMI-NMCI3216-68NM	0.068	20	50	280	0.25	300
CMI-NMCI3216-82NM	0.082	20	50	255	0.25	300
CMI-NMCI3216-R10K,M	0.10	20	25	235	0.25	250
CMI-NMCI3216-R12K,M	0.12	20	25	220	0.30	250
CMI-NMCI3216-R15K,M	0.15	20	25	200	0.30	250
CMI-NMCI3216-R18K,M	0.18	20	25	185	0.40	250
CMI-NMCI3216-R22K,M	0.22	20	25	170	0.40	250
CMI-NMCI3216-R27K,M	0.27	20	25	150	0.50	250
CMI-NMCI3216-R33K,M	0.33	20	25	145	0.60	250
CMI-NMCI3216-R39K,M	0.47	25	25	135	0.50	250
CMI-NMCI3216-R47K,M	0.47	25	25	125	0.60	200
CMI-NMCI3216-R56K,M	0.56	25	25	115	0.70	200
CMI-NMCI3216-R68K,M	0.68	25	25	105	0.80	150
CMI-NMCI3216-R82K,M	0.82	25	25	100	0.90	150
CMI-NMCI3216-1R0K,M	1.0	45	10	75	0.40	100
CMI-NMCI3216-1R2K,M	1.2	45	10	65	0.50	100
CMI-NMCI3216-1R5K,M	1.5	45	10	60	0.50	50
CMI-NMCI3216-1R8K,M	1.8	45	10	55	0.50	50
CMI-NMCI3216-2R2K,M	2.2	45	10	50	0.60	50
CMI-NMCI3216-2R7K,M	2.7	45	10	45	0.60	50

• You can also contact us by e-mail : coilmaster@coilmaster.com

- All specifications are subject to change without notice.
- Update date : 2023.03.29

Electrical characteristics

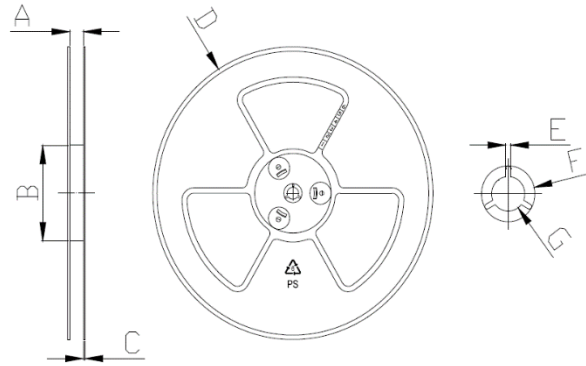


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Packaging

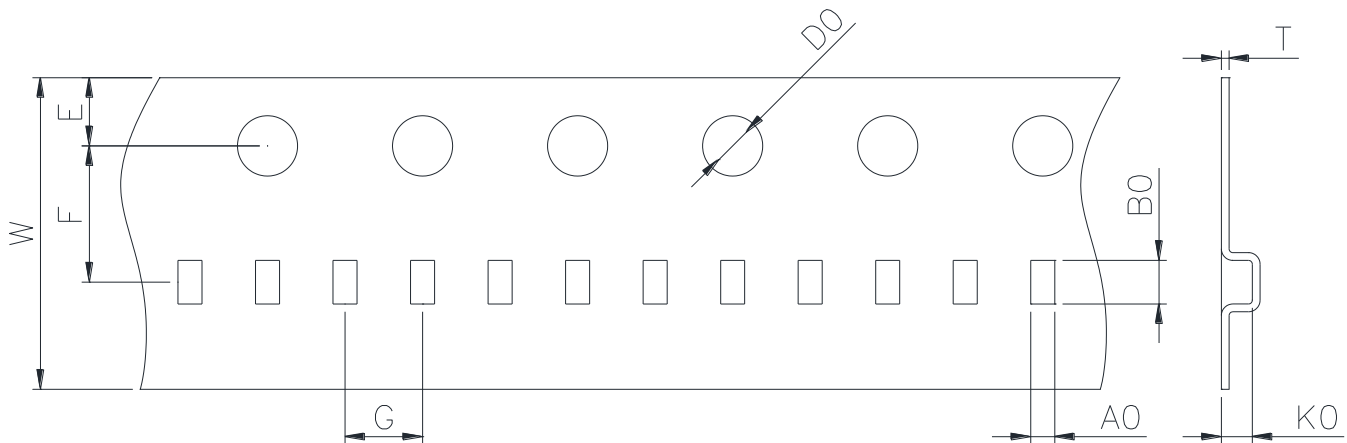
(1) Package quantity : 3,000 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
10.00	60.00	2.00	178.0	2.00	21.00	13.00
+1.50	+2.00	+0.50	+2.00	+0.50	+0.80	+0.80
-1.50	-2.00	-0.50	-2.00	-0.50	-0.80	-0.80

(3) Tape Dimensions



W	A0	B0	T	E	F	G	D0	K0
8.00	1.90	3.50	0.20	1.75	3.50	4.00	1.50	1.40
+0.20	+0.10	+0.10	+0.05	+0.10	+0.05	+0.10	+0.10	+0.05
-0.20	-0.10	-0.10	-0.05	-0.10	-0.05	-0.10	-0.00	-0.05

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