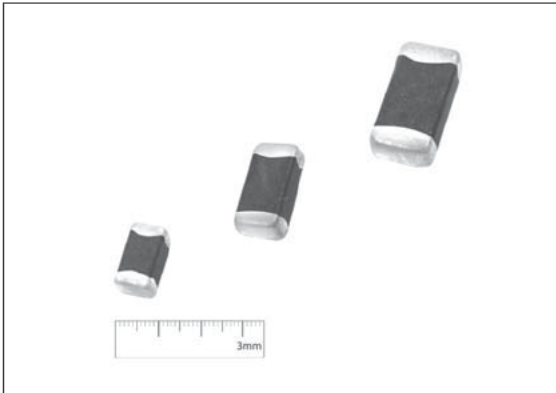


MULTILAYER CHIP INDUCTORS (CA SERIES)

trio



● PART NUMBERING

CA - □□□ □ □□ □ □□
(1) (2) (3) (4) (5) (6)

- (1) Series
- (2) Inductance
- (3) Tolerance
- (4) Dimension
- (5) Material
- (6) Internal Serial No.

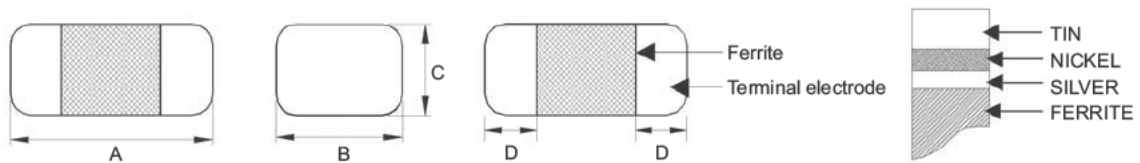
● FEATURES

- Monolithic structure for high reliability.
- Closed magnetic circuit avoids crosstalk.
- Suitable for flow and reflow soldering.
- Available in various sizes.
- Excellent solderability and heat resistance.

● APPLICATIONS

- Noise elimination for I/O lines of computers
- Printers
- HDDs
- Digital TVs and VTRs
- Personal computers, and other general consumer and computer products

● CONFIGURATIONS & DIMENSIONS



Unit : mm

SERIES	A	B	C	D
CA 02	1.6±0.2	0.80±0.2	0.80±0.2	0.3±0.2
CA 03	2.0±0.2	1.25±0.2	0.90±0.2	0.5±0.3
CA 03	2.0±0.2	1.25±0.2	1.25±0.2	0.5±0.3
CA 06	3.2±0.2	1.60±0.2	0.60±0.2	0.5±0.5
CA 06	3.2±0.2	1.60±0.2	1.10±0.2	0.5±0.3

- For packaging information, please refer to page P.175.
- Operating temperature range : 40°C to +105°C
- Inductance tolerance : ±20 & ±10% & ±5%

CA
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● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	Q (Min.)	FREQ. (MHz)	SRF (MHz, Min.)	DCR (Ω , Max.)	IDC (mA, Max.)
CA 10C□021□□	CIG160808 10N□	0.010	15	50	300	0.20	50
CA 33C□021□□	CIG160808 33N□	0.033	15	50	270	0.20	50
CA 47C□021□□	CIG160808 47N□	0.047	15	50	260	0.30	50
CA 56C□021□□	CIG160808 56N□	0.056	15	50	255	0.30	50
CA 68C□021□□	CIG160808 68N□	0.068	15	50	250	0.30	50
CA 82C□021□□	CIG160808 82N□	0.082	15	50	245	0.30	50
CA 10B□021□□	CIG160808 R10□	0.10	25	25	240	0.50	50
CA 12B□021□□	CIG160808 R12□	0.12	25	25	205	0.50	50
CA 15B□021□□	CIG160808 R15□	0.15	25	25	180	0.60	50
CA 18B□021□□	CIG160808 R18□	0.18	25	25	165	0.60	50
CA 22B□021□□	CIG160808 R22□	0.22	25	25	150	0.80	50
CA 27B□021□□	CIG160808 R27□	0.27	25	25	136	0.80	50
CA 33B□021□□	CIG160808 R33□	0.33	25	25	125	0.85	35
CA 39B□021□□	CIG160808 R39□	0.39	25	25	110	1.00	35
CA 47B□021□□	CIG160808 R47□	0.47	25	25	105	1.35	35
CA 56B□021□□	CIG160808 R56□	0.56	25	25	95	1.50	35
CA 68B□021□□	CIG160808 R68□	0.68	25	25	85	1.70	35
CA 82B□021□□	CIG160808 R82□	0.82	25	25	75	2.10	35
CA 10A□021□□	CIG160808 1R0□	1.00	35	10	65	0.60	25
CA 12A□021□□	CIG160808 1R2□	1.20	35	10	60	0.80	25
CA 15A□021□□	CIG160808 1R5□	1.50	35	10	55	0.80	25
CA 18A□021□□	CIG160808 1R8□	1.80	35	10	50	0.95	25
CA 22A□021□□	CIG160808 2R2□	2.2	35	10	45	1.10	15
CA 27A□021□□	CIG160808 2R7□	2.7	35	10	40	1.30	15
CA 33A□021□□	CIG160808 3R3□	3.3	35	10	38	1.50	15
CA 39A□021□□	CIG160808 3R9□	3.9	35	10	36	1.70	15
CA 47A□021□□	CIG160808 4R7□	4.7	35	10	33	2.10	15
CA 56A□021□□	CIG160808 5R6□	5.6	35	4	22	1.50	5
CA 68A□021□□	CIG160808 6R8□	6.8	35	4	20	1.70	5
CA 82A□021□□	CIG160808 8R2□	8.2	30	4	18	2.10	5
CA 100□021□□	CIG160808 100□	10	30	2	17	2.55	5

- Operating temperature range : 40°C to +105°C
- Inductance tolerance : $\pm 20\%$ & $\pm 10\%$ & $\pm 5\%$

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	Q (Min.)	FREQ. (MHz)	SRF (MHz, Min.)	DCR (Ω , Max.)	IDC (mA, Max.)
CA 47C□031□□	CIG201209 47N□	0.047	20	50	320	0.20	300
CA 68C□031□□	CIG201209 68N□	0.068	20	50	280	0.20	300
CA 82C□031□□	CIG201209 82N□	0.082	20	50	255	0.20	300
CA 10B□031□□	CIG201209 R10□	0.10	25	25	235	0.30	250
CA 12B□031□□	CIG201209 R12□	0.12	25	25	220	0.30	250
CA 15B□031□□	CIG201209 R15□	0.15	25	25	200	0.40	250
CA 18B□031□□	CIG201209 R18□	0.18	25	25	185	0.40	250
CA 22B□031□□	CIG201209 R22□	0.22	25	25	170	0.50	250
CA 27B□031□□	CIG201209 R27□	0.27	25	25	150	0.50	250
CA 33B□031□□	CIG201209 R33□	0.33	25	25	145	0.55	250
CA 39B□031□□	CIG201209 R39□	0.39	25	25	135	0.65	250
CA 47B□031□□	CIG201209 R47□	0.47	25	25	125	0.65	250
CA 56B□031□□	CIG201209 R56□	0.56	25	25	115	0.75	150
CA 68B□031□□	CIG201209 R68□	0.68	25	25	105	0.80	150
CA 82B□031□□	CIG201209 R82□	0.82	25	25	100	1.00	150
CA 10A□031□□	CIG201209 1R0□	1.0	45	10	75	0.40	50
CA 12A□031□□	CIG201209 1R2□	1.2	45	10	65	0.50	50
CA 15A□031□□	CIG201209 1R5□	1.5	45	10	60	0.50	50
CA 18A□031□□	CIG201209 1R8□	1.8	45	10	55	0.60	50
CA 22A□031□□	CIG201209 2R2□	2.2	45	10	50	0.65	30
CA 27A□031□□	CIG201212 2R7□	2.7	45	10	45	0.75	30
CA 33A□031□□	CIG201212 3R3□	3.3	45	10	41	0.80	30
CA 39A□031□□	CIG201212 3R9□	3.9	45	10	38	0.90	30
CA 47A□031□□	CIG201212 4R7□	4.7	45	10	35	1.00	30
CA 56A□031□□	CIG201212 5R6□	5.6	45	4	32	0.90	15
CA 68A□031□□	CIG201212 6R8□	6.8	45	4	29	1.00	15
CA 82A□031□□	CIG201212 8R2□	8.2	45	4	26	1.10	15
CA 100□031□□	CIG201212 100□	10	45	2	24	1.10	15
CA 120□031□□	CIG201212 120□	12	45	2	22	1.20	15
CA 150□031□□	CIG201212 150□	15	30	1	19	0.80	5
CA 180□031□□	CIG201212 180□	18	30	1	18	0.90	5
CA 220□031□□	CIG201212 220□	22	30	1	16	1.10	5

- Operating temperature range : 40°C to +105°C
- Inductance tolerance : $\pm 20\%$ & $\pm 10\%$ & $\pm 5\%$

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MULTILAYER CHIP INDUCTORS (CA SERIES)

trio

● ELECTRICAL CHARACTERISTICS

New Part No.	Old Part No.	L (μ H)	Q (Min.)	FREQ. (MHz)	SRF (MHz, Min.)	DCR (Ω , Max.)	IDC (mA, Max.)
CA 47C□061□□	CIG321606 47N□	0.047	20	50	320	0.15	300
CA 68C□061□□	CIG321606 68N□	0.068	20	50	280	0.25	300
CA 10B□061□□	CIG321606 R10□	0.10	20	25	235	0.25	250
CA 12B□061□□	CIG321606 R12□	0.12	20	25	220	0.30	250
CA 15B□061□□	CIG321606 R15□	0.15	20	25	200	0.30	250
CA 18B□061□□	CIG321606 R18□	0.18	20	25	185	0.40	250
CA 22B□061□□	CIG321606 R22□	0.22	20	25	170	0.40	250
CA 27B□061□□	CIG321606 R27□	0.27	20	25	150	0.50	250
CA 33B□061□□	CIG321606 R33□	0.33	20	25	145	0.50	250
CA 10A□061□□	CIG321606 1R0□	1.0	45	10	75	0.40	100
CA 12A□061□□	CIG321606 1R2□	1.2	45	10	65	0.50	100
CA 47C□061□□	CIG321611 47N□	0.047	20	50	320	0.15	300
CA 68C□061□□	CIG321611 68N□	0.068	20	50	280	0.25	300
CA 82C□061□□	CIG321611 82N□	0.082	20	50	250	0.25	300
CA 10B□061□□	CIG321611 R10□	0.10	25	25	235	0.25	250
CA 12B□061□□	CIG321611 R12□	0.12	25	25	220	0.30	250
CA 15B□061□□	CIG321611 R15□	0.15	25	25	200	0.30	250
CA 18B□061□□	CIG321611 R18□	0.18	25	25	185	0.40	250
CA 22B□061□□	CIG321611 R22□	0.22	25	25	170	0.40	250
CA 27B□061□□	CIG321611 R27□	0.27	25	25	150	0.50	250
CA 33B□061□□	CIG321611 R33□	0.33	25	25	145	0.50	250
CA 39B□061□□	CIG321611 R39□	0.39	25	25	135	0.50	200
CA 47B□061□□	CIG321611 R47□	0.47	25	25	125	0.60	200
CA 56B□061□□	CIG321611 R56□	0.56	25	25	115	0.70	150
CA 68B□061□□	CIG321611 R68□	0.68	25	25	105	0.80	150
CA 82B□061□□	CIG321611 R82□	0.82	25	25	100	0.90	150
CA 10A□061□□	CIG321611 1R0□	1.0	45	10	75	0.40	100
CA 12A□061□□	CIG321611 1R2□	1.2	45	10	65	0.50	100
CA 15A□061□□	CIG321611 1R5□	1.5	45	10	60	0.50	80
CA 18A□061□□	CIG321611 1R8□	1.8	45	10	55	0.50	70
CA 22A□061□□	CIG321611 2R2□	2.2	45	10	50	0.60	60
CA 27A□061□□	CIG321611 2R7□	2.7	45	10	45	0.60	60
CA 33A□061□□	CIG321611 3R3□	3.3	45	10	41	0.70	60
CA 39A□061□□	CIG321611 3R9□	3.9	45	10	38	0.80	50
CA 47A□061□□	CIG321611 4R7□	4.7	45	10	35	0.90	50
CA 56A□061□□	CIG321611 5R6□	5.6	45	4	32	0.70	25
CA 68A□061□□	CIG321611 6R8□	6.8	45	4	29	0.80	25
CA 82A□061□□	CIG321611 8R2□	8.2	45	4	26	0.90	25
CA 100□061□□	CIG321611 100□	10	45	2	24	1.00	25
CA 120□061□□	CIG321611 120□	12	45	2	22	1.00	15
CA 150□061□□	CIG321611 150□	15	35	1	19	0.70	5
CA 180□061□□	CIG321611 180□	18	35	1	18	0.75	5
CA 220□061□□	CIG321611 220□	22	35	1	16	0.90	5
CA 270□061□□	CIG321611 270□	27	35	1	14	0.90	5
CA 330□061□□	CIG321611 330□	33	35	1	13	1.05	5

- Operating temperature range : 40°C to +105°C
- Inductance tolerance : ± 20 & $\pm 10\%$ & $\pm 5\%$

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