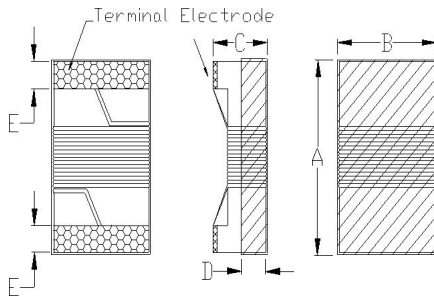


1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



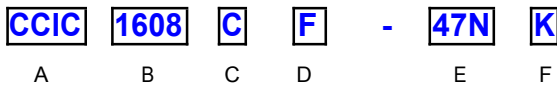
2. Dimensions



Size	A	B	C	D	E
CCIC1608	1.80 max.	1.20 max.	1.20 max.	0.38 ref.	0.35±0.1

Unit:mm

3. Part Numbering



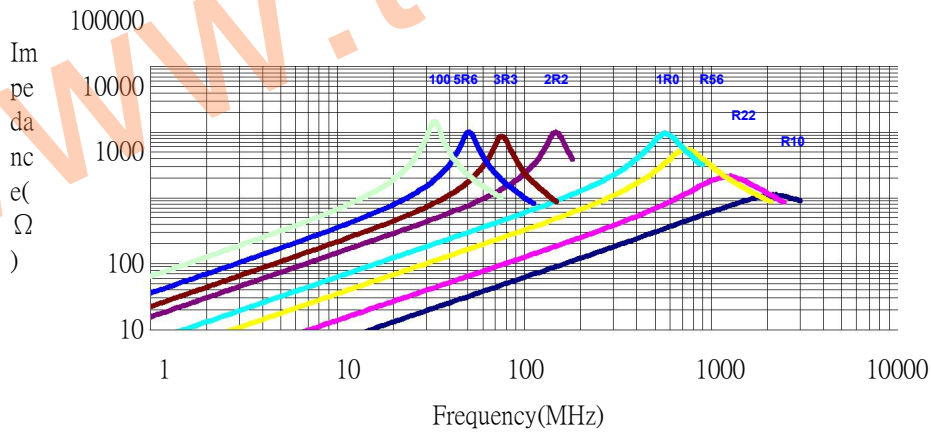
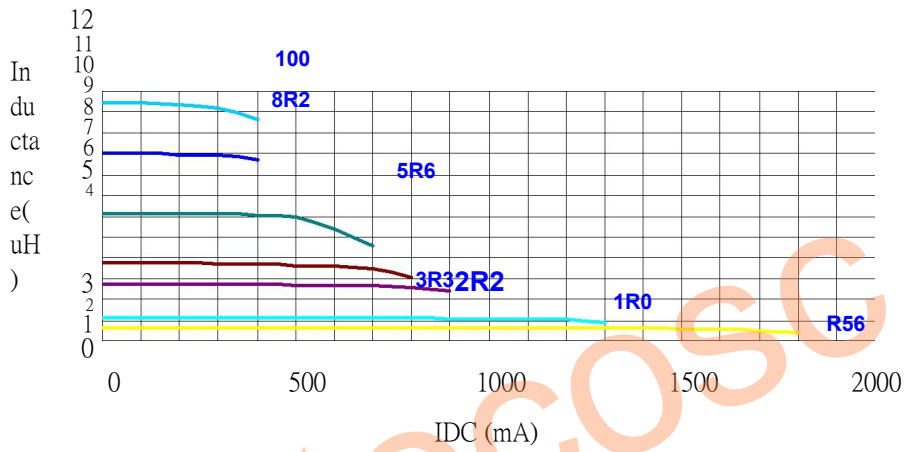
- A: Series
 - B: Dimension
 - C: Application
 - D: Lead free type
 - E: Inductance
 - F: Inductance Tolerance
- L x W
DC Power Line
- 47N=0.047 uH
K=±10%; M=±20%

4. Specification

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
CCIC1608CF-47NK	0.047±10%	K,M	0.5V/7.96M	10	7.96	1500	0.075	1400
CCIC1608CF-R10K	0.10±10%	K,M	0.5V/7.96M	10	7.96	1150	0.13	1400
CCIC1608CF-R12K	0.12±10%	K,M	0.5V/7.96M	10	7.96	1100	0.15	1400
CCIC1608CF-R15K	0.15±10%	K,M	0.5V/7.96M	10	7.96	1050	0.15	1300
CCIC1608CF-R18K	0.18±10%	K,M	0.5V/7.96M	10	7.96	950	0.15	1300
CCIC1608CF-R22K	0.22±10%	K,M	0.5V/7.96M	10	7.96	800	0.15	950
CCIC1608CF-R24K	0.24±10%	K,M	0.5V/7.96M	10	7.96	800	0.31	620
CCIC1608CF-R27K	0.27±10%	K,M	0.5V/7.96M	10	7.96	775	0.20	710
CCIC1608CF-R33K	0.33±10%	K,M	0.5V/7.96M	10	7.96	725	0.35	620
CCIC1608CF-R39K	0.39±10%	K,M	0.5V/7.96M	10	7.96	620	0.39	600
CCIC1608CF-R47K	0.47±10%	K,M	0.5V/7.96M	10	7.96	540	0.43	570
CCIC1608CF-R56K	0.56±10%	K,M	0.5V/7.96M	10	7.96	525	0.47	550
CCIC1608CF-R68K	0.68±10%	K,M	0.5V/7.96M	10	7.96	460	0.52	470
CCIC1608CF-R82K	0.82±10%	K,M	0.5V/7.96M	10	7.96	410	0.69	400
CCIC1608CF-1R0K	1.0±10%	K,M	0.5V/7.96M	10	7.96	190	0.81	400
CCIC1608CF-1R2K	1.2±10%	K,M	0.5V/7.96M	10	7.96	160	0.87	370

TOCOET

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
CCIC1608CF-1R5K	1.5 \pm 10%	K,M	0.5V/7.96M	10	7.96	100	0.96	350
CCIC1608CF-1R8K	1.8 \pm 10%	K,M	0.5V/7.96M	10	7.96	80	1.10	350
CCIC1608CF-2R2K	2.2 \pm 10%	K,M	0.5V/7.96M	10	7.96	68	1.20	320
CCIC1608CF-3R3K	3.3 \pm 10%	K,M	0.5V/7.96M	10	7.96	42	1.50	280
CCIC1608CF-3R9K	3.9 \pm 10%	K,M	0.5V/7.96M	10	7.96	40	1.50	280
CCIC1608CF-4R7K	4.7 \pm 10%	K,M	0.5V/7.96M	10	7.96	34	2.10	260
CCIC1608CF-5R6K	5.6 \pm 10%	K,M	0.5V/7.96M	10	7.96	32	2.60	240
CCIC1608CF-6R8K	6.8 \pm 10%	K,M	0.5V/7.96M	10	7.96	31	3.10	200
CCIC1608CF-8R2K	8.2 \pm 10%	K,M	0.5V/7.96M	10	7.96	26	4.40	190
CCIC1608CF-100K	10.0 \pm 10%	K,M	0.5V/2.52M	10	2.52	25	4.80	180

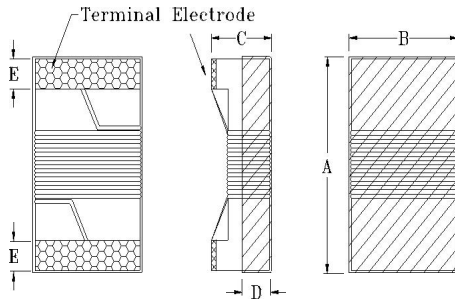


1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



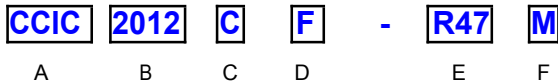
2. Dimensions



Size	A	B	C	D	E
CCIC2012	2.40 max.	1.60 max.	1.40 max.	0.51 ref.	0.44±0.1

Unit:mm

3. Part Numbering



- A: Series
- B: Dimension
- C: Application
- D: Lead free type
- E: Inductance
- F: Inductance Tolerance

L x W
DC Power Line

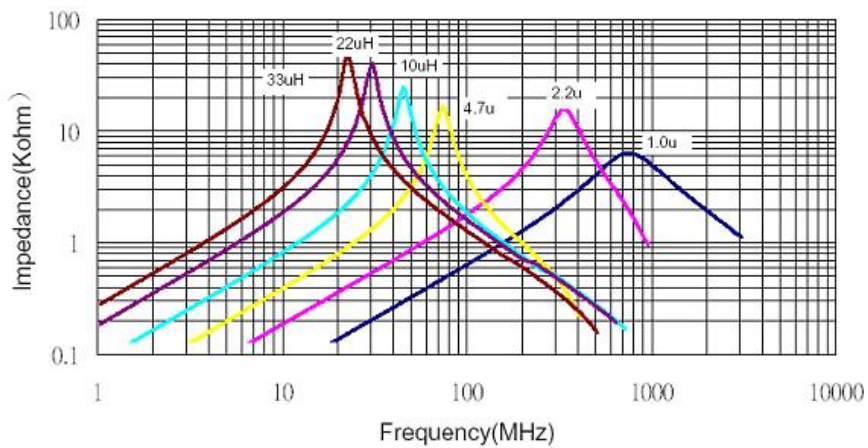
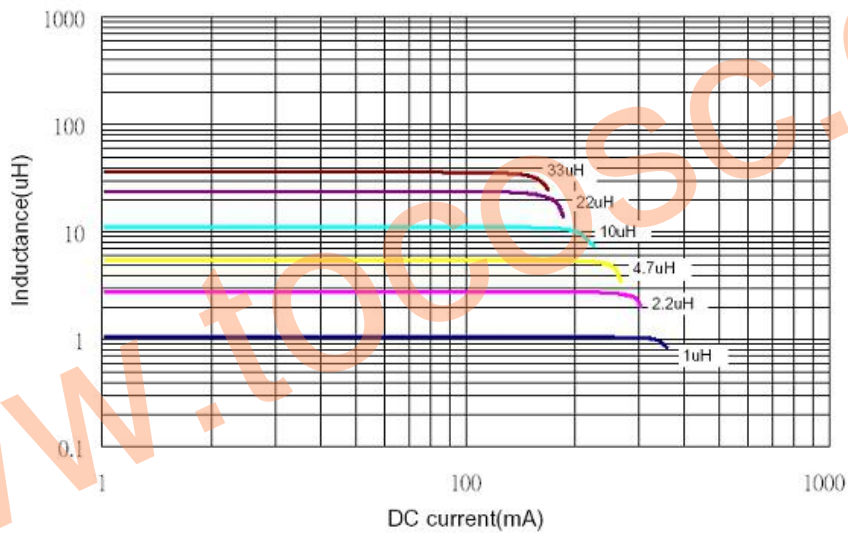
R47=0.47 uH
K=±10%,M=±20%

4. Specification

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIC2012CF-R47K	0.47±10%	K,M	0.5V/7.96M	10	7.96	750	0.20	720
CCIC2012CF-R56K	0.56±10%	K,M	0.5V/7.96M	10	7.96	730	0.21	665
CCIC2012CF-R68K	0.68±10%	K,M	0.5V/7.96M	10	7.96	670	0.28	565
CCIC2012CF-R82K	0.82±10%	K,M	0.5V/7.96M	10	7.96	650	0.31	545
CCIC2012CF-1R0K	1.00±10%	K,M	0.5V/7.96M	10	7.96	615	0.34	525
CCIC2012CF-1R2K	1.20±10%	K,M	0.5V/7.96M	10	7.96	550	0.39	473
CCIC2012CF-1R5K	1.50±10%	K,M	0.5V/7.96M	10	7.96	520	0.45	300
CCIC2012CF-1R8K	1.80±10%	K,M	0.5V/7.96M	10	7.96	500	0.48	230
CCIC2012CF-2R2K	2.20±10%	K,M	0.5V/7.96M	10	7.96	420	0.67	215

TOCOET

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIC2012CF-2R7K	2.70±10%	K,M	0.5V/7.96M	10	7.96	410	0.74	140
CCIC2012CF-3R3K	3.30±10%	K,M	0.5V/7.96M	10	7.96	385	0.81	95
CCIC2012CF-3R9K	3.90±10%	K,M	0.5V/7.96M	10	7.96	372	0.88	57
CCIC2012CF-4R7K	4.70±10%	K,M	0.5V/7.96M	10	7.96	345	0.99	51
CCIC2012CF-5R6K	5.60±10%	K,M	0.5V/7.96M	10	7.96	335	1.06	44
CCIC2012CF-6R8K	6.80±10%	K,M	0.5V/7.96M	10	7.96	315	1.21	39
CCIC2012CF-8R2K	8.20±10%	K,M	0.5V/7.96M	10	7.96	295	1.33	33
CCIC2012CF-100K	10.0±10%	K,M	0.5V/2.52M	10	2.52	260	1.79	30
CCIC2012CF-120K	12.0±10%	K,M	0.5V/2.52M	10	2.52	250	1.98	27
CCIC2012CF-150K	15.0±10%	K,M	0.5V/2.52M	10	2.52	215	2.68	22
CCIC2012CF-180K	18.0±10%	K,M	0.5V/2.52M	10	2.52	195	3.12	20
CCIC2012CF-220K	22.0±10%	K,M	0.5V/2.52M	10	2.52	180	3.48	18
CCIC2012CF-270K	27.0±10%	K,M	0.5V/2.52M	10	2.52	170	3.84	16
CCIC2012CF-330K	33.0±10%	K,M	0.5V/2.52M	10	2.52	145	4.34	15



Winding Type Chip Inductor

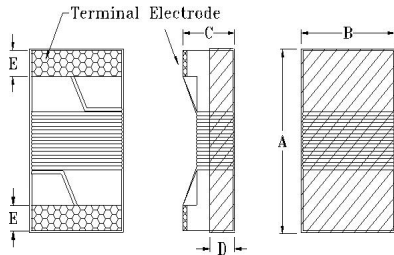
CCIC2520CF-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



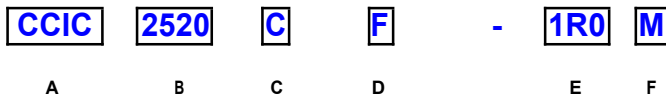
2. Dimensions



Size	A	B	C	D	E
CCIC2520	2.90 max.	2.50 max.	2.10 max.	1.20 ref.	0.55±0.1

Unit:mm

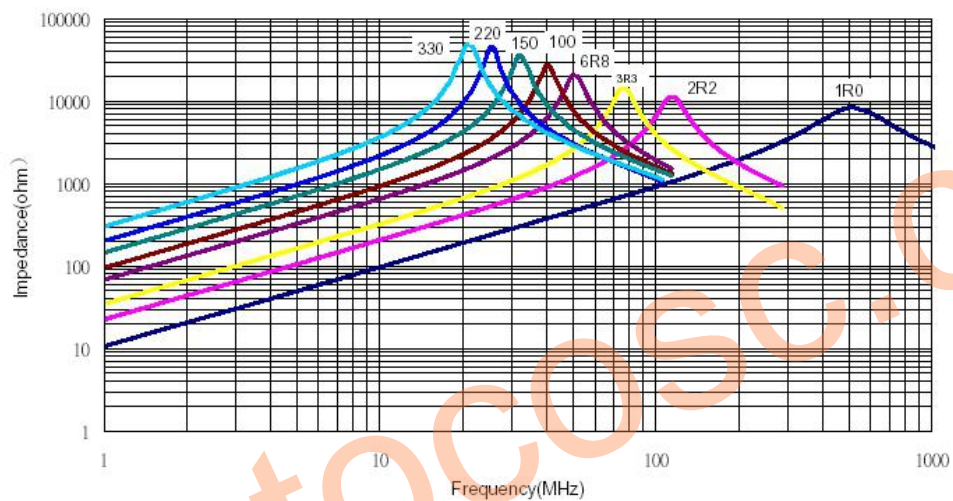
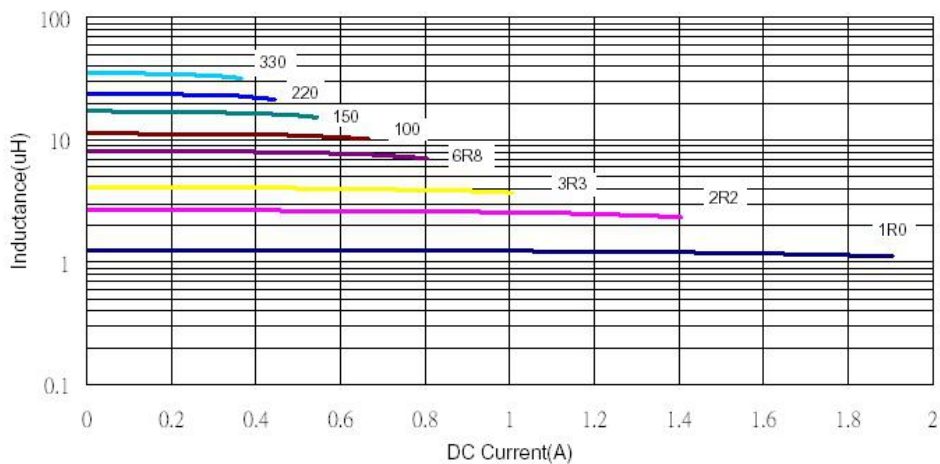
3. Part Numbering



- A: Series
 - B: Dimension
 - C: Application
 - D: Lead Free Code
 - E: Inductance
 - F: Inductance Tolerance
- L x W
DC Power Line
- 1R0=1.00 uH
K=±10%, M=±20%

4. Specification

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIC2520CF-1R0K	1.00±10%	K,M	0.5V/7.96M	12	7.96	1000	0.13	345
CCIC2520CF-1R5K	1.50±10%	K,M	0.5V/7.96M	12	7.96	850	0.17	100
CCIC2520CF-2R2K	2.20±10%	K,M	0.5V/7.96M	12	7.96	775	0.21	78
CCIC2520CF-3R3K	3.30±10%	K,M	0.5V/7.96M	12	7.96	715	0.26	48
CCIC2520CF-4R7K	4.70±10%	K,M	0.5V/7.96M	12	7.96	505	0.52	46
CCIC2520CF-6R8K	6.80±10%	K,M	0.5V/7.96M	12	7.96	432	0.72	33
CCIC2520CF-8R2K	8.20±10%	J,K	0.5V/2.52M	12	2.52	410	0.76	30
CCIC2520CF-100K	10.0±10%	K,M	0.5V/2.52M	12	2.52	392	0.86	28
CCIC2520CF-150	15.0±10%	K,M	0.5V/2.52M	12	2.52	342	1.09	21
CCIC2520CF-220K	22.0±10%	K,M	0.5V/2.52M	12	2.52	260	1.96	18
CCIC2520CF-330K	33.0±10%	K,M	rspiration 12	12	2.52	236	2.47	15



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Winding Type Chip Inductor

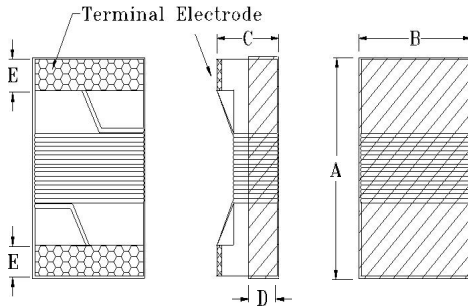
CCIC3225CF-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



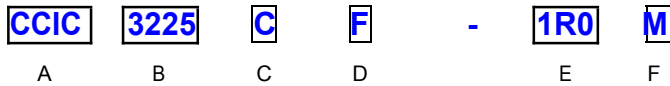
2. Dimension



Size	A	B	C	D	E
CCIC3225	3.60 max.	2.80 max.	2.60 max.	0.80 ref.	0.55±0.1

Unit:mm

3. Part Numbering

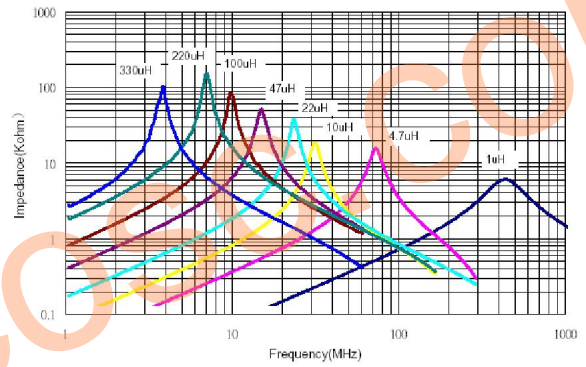
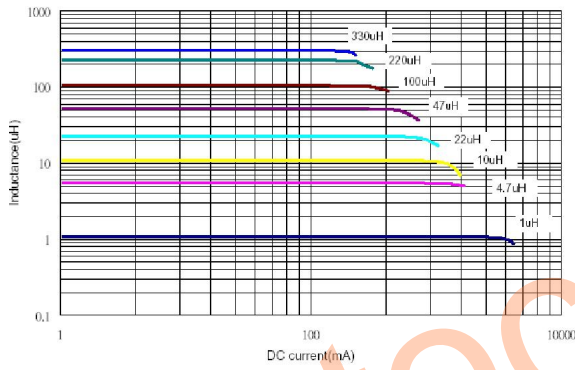


- A: Series
 - B: Dimension
 - C: Application
 - D: Lead free
 - E: Inductance
 - F: Inductance Tolerance
- L x W
DC Power Line
- 1R0=1.00uH
K=±10%, M=±20%

4. Specification

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIC3225CF-1R0K	1.00±10%	K,M	0.5V/7.96M	10	7.96	1200	0.12	290
CCIC3225CF-1R5K	1.50±10%	K,M	0.5V/7.96M	10	7.96	1000	0.13	260
CCIC3225CF-2R2K	2.20±10%	K,M	0.5V/7.96M	10	7.96	880	0.17	190
CCIC3225CF-3R3K	3.30±10%	K,M	0.5V/7.96M	10	7.96	775	0.22	64
CCIC3225CF-4R7K	4.70±10%	K,M	0.5V/7.96M	10	7.96	710	0.26	54
CCIC3225CF-6R8K	6.80±10%	K,M	0.5V/7.96M	10	7.96	660	0.30	34
CCIC3225CF-100K	10.0±10%	K,M	0.5V/2.52M	10	2.52	570	0.39	25
CCIC3225CF-150K	15.0±10%	K,M	0.5V/2.52M	10	2.52	440	0.66	17
CCIC3225CF-220K	22.0±10%	K,M	0.5V/2.52M	10	2.52	400	0.82	16

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIC3225CF-330K	33.0±10%	K,M	0.5V/2.52M	10	2.52	285	1.50	12
CCIC3225CF-390K	39.0±10%	K,M	0.5V/2.52M	10	2.52	270	1.66	12
CCIC3225CF-470K	47.0±10%	K,M	0.5V/2.52M	10	2.52	260	1.90	10
CCIC3225CF-680K	68.0±10%	K,M	0.5V/2.52M	10	2.52	235	2.29	9.0
CCIC3225CF-101K	100±10%	K,M	0.5V/1M	10	1.00	190	3.48	7.0
CCIC3225CF-151K	150±10%	K,M	0.5V/1M	10	1.00	140	6.55	5.0
CCIC3225CF-221K	220±10%	K,M	0.5V/1M	10	1.00	115	8.23	4.0
CCIC3225CF-331K	330±10%	K,M	0.5V/1M	10	1.00	98	13.7	2.8
CCIC3225CF-471K	470±10%	K,M	0.5V/1M	10	1.00	86	18.1	2.6
CCIC3225CF-681K	680±10%	K,M	0.5V/1M	10	1.00	76	22.0	2.3



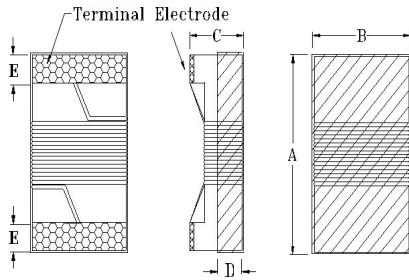
High Frequency Winding Type Chip Inductor CCI0402F-SERIES PR

1. Features

1. Ceramic core wire wound construction.
2. No batch to batch variations in inductance.
3. High Reliability due to ceramic wire wound construction.
4. High frequency application.
5. Small footprint as well as low profile.
6. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



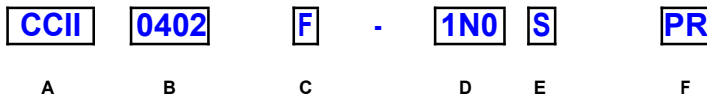
2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
CCI0402	1.09±0.1	0.60±0.1	0.56±0.1	0.20±0.15	0.23±0.1

Unit:mm

3. Part Numbering



- A: Series
 - B: Dimension
 - C: Material
 - D: Inductance
 - E: Inductance Tolerance
 - F: Packaging
- LxW
Ceramic
1N0=1.0nH
S=±0.3nH . J=±5%, K=±10% .
PR=Paper Tape & Reel

4. Specification

Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency (Hz)	Rated Current (mA) max..	DCR (Ω) max.	SRF (GHz) min.
CCI0402F-1N0JPR	1.0±5%	S.J	16	0.1V/250M	1360	0.045	12.7
CCI0402F-1N9JPR	1.9±5%	S.J	16	0.1V/250M	1040	0.070	11.30
CCI0402F-2N0JPR	2.0±5%	S.J	16	0.1V/250M	1040	0.070	11.10
CCI0402F-2N2JPR	2.2±5%	S.J	19	0.1V/250M	960	0.070	10.80
CCI0402F-2N4JPR	2.4±5%	S.J	15	0.1V/250M	790	0.068	10.50
CCI0402F-2N7JPR	2.7±5%	S.J	16	0.1V/250M	640	0.120	10.40
CCI0402F-3N3JPR	3.3±5%	S.J	19	0.1V/250M	840	0.066	7.00
CCI0402F-3N6JPR	3.6±5%	S.J	19	0.1V/250M	840	0.066	6.80
CCI0402F-3N9JPR	3.9±5%	S.J	19	0.1V/250M	840	0.066	6.00
CCI0402F-4N3JPR	4.3±5%	S.J	18	0.1V/250M	700	0.091	6.00
CCI0402F-4N7JPR	4.7±5%	S.J	15	0.1V/250M	640	0.130	4.77
CCI0402F-5N1JPR	5.1±5%	S.J	20	0.1V/250M	800	0.083	4.80
CCI0402F-5N6JPR	5.6±5%	S.J	20	0.1V/250M	760	0.083	4.80
CCI0402F-6N2JPR	6.2±5%	J.K	20	0.1V/250M	760	0.083	4.80
CCI0402F-6N8JPR	6.8±5%	J.K	20	0.1V/250M	680	0.083	4.80

TOCOET

Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency (Hz)	Rated Current (mA) max..	DCR (Ω) max.	SRF (GHz) min.
CCII0402F-7N5JPR	7.5±5%	J.K	22	0.1V/250M	680	0.100	4.80
CCII0402F-8N2JPR	8.2±5%	J.K	22	0.1V/250M	680	0.100	4.40
CCII0402F-8N7JPR	8.7±5%	J.K	18	0.1V/250M	480	0.200	4.10
CCII0402F-9N0JPR	9.0±5%	J.K	22	0.1V/250M	680	0.100	4.16
CCII0402F-9N1JPR	9.1±5%	J.K	22	0.1V/250M	680	0.100	4.16
CCII0402F-9N5JPR	9.5±5%	J.K	18	0.1V/250M	480	0.200	4.00
CCII0402F-10NJPR	10±5%	J.K	21	0.1V/250M	480	0.200	3.90
CCII0402F-11NJPR	11±5%	J.K	24	0.1V/250M	640	0.120	3.68
CCII0402F-12NJPR	12±5%	J.K	24	0.1V/250M	640	0.120	3.60
CCII0402F-13NJPR	13±5%	J.K	24	0.1V/250M	440	0.210	3.45
CCII0402F-15NJPR	15±5%	J.K	24	0.1V/250M	560	0.170	3.28
CCII0402F-16NJPR	16±5%	J.K	24	0.1V/250M	560	0.220	3.10
CCII0402F-18NJPR	18±5%	J.K	25	0.1V/250M	420	0.230	3.10
CCII0402F-19NJPR	19±5%	J.K	24	0.1V/250M	480	0.200	3.04
CCII0402F-20NJPR	20±5%	J.K	25	0.1V/250M	420	0.25	3.00
CCII0402F-22NJPR	22±5%	J.K	25	0.1V/250M	400	0.30	2.80
CCII0402F-23NJPR	23±5%	J.K	22	0.1V/250M	400	0.30	2.72
CCII0402F-24NJPR	24±5%	J.K	25	0.1V/250M	400	0.30	2.70
CCII0402F-27NJPR	27±5%	J.K	24	0.1V/250M	400	0.30	2.48
CCII0402F-30NJPR	30±5%	J.K	25	0.1V/250M	400	0.35	2.35
CCII0402F-33NJPR	33±5%	J.K	24	0.1V/250M	400	0.40	2.35
CCII0402F-36NJPR	36±5%	J.K	24	0.1V/250M	320	0.44	2.32
CCII0402F-39NJPR	39±5%	J.K	25	0.1V/250M	200	0.55	2.10
CCII0402F-40NJPR	40±5%	J.K	24	0.1V/250M	320	0.44	2.24
CCII0402F-43NJPR	43±5%	J.K	25	0.1V/250M	100	0.81	2.03
CCII0402F-47NJPR	47±5%	J.K	20	0.1V/250M	150	0.83	2.10
CCII0402F-51NJPR	51±5%	J.K	25	0.1V/250M	100	0.82	1.75
CCII0402F-56NJPR	56±5%	J.K	22	0.1V/250M	100	0.97	1.76
CCII0402F-68NJPR	68±5%	J.K	22	0.1V/250M	100	1.12	1.62
CCII0402F-82NJPR	82±5%	J.K	20	0.1V/250M	50	1.55	1.26
CCII0402F-R10JPR	100±5%	J.K	20	0.1V/250M	30	2.00	1.16

Note: Rated Current: 15°C rise above 25°C ambient.

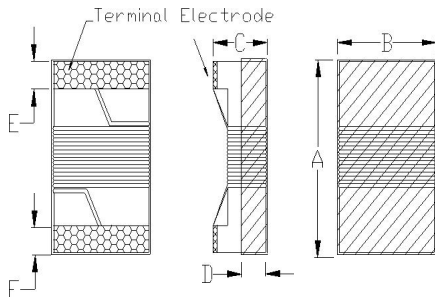
High Frequency Winding Type Chip Inductor CCI0603F-SERIES

1. Features

- 1.Ceramic core wire wound construction. 2.No batch to batch variations in inductance
- 3.High Reliability due to ceramic wire wound construction.
- 4.High frequency application.
- 5.Small footprint as well as low profile.
- 6.100% Lead(Pb) & Halogen-Free and RoHS compliant.



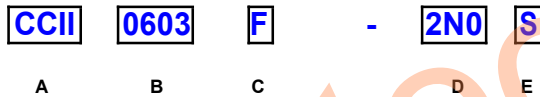
2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
CCI0603	1.80 max.	1.20 max.	1.20 max.	0.38 ref.	0.35±0.1

Unit:mm

3. Part Numbering



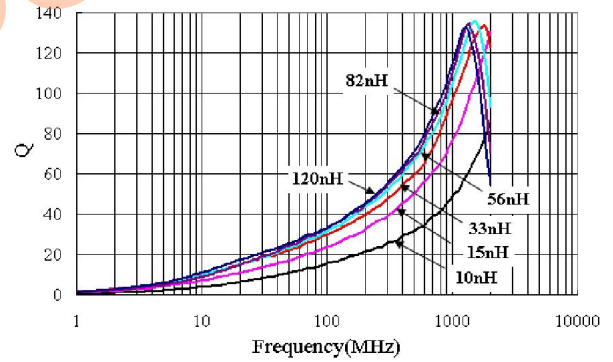
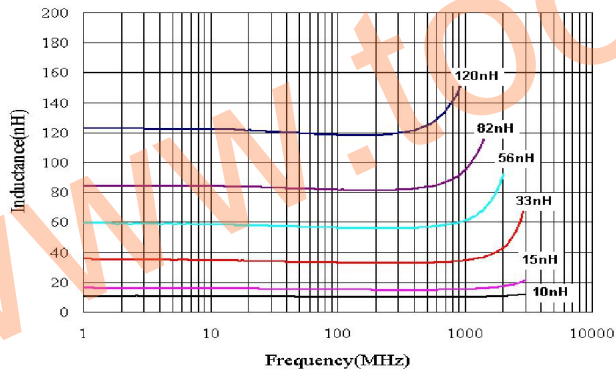
- A: Series
- B: Dimension LxW
- C: Lead free type
- D: Inductance 2N0=2.0nH
- E: Inductance Tolerance C=±0.2nH , S=±0.3nH , J=±5% , K=±10%

4. Specification

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ 250MHz min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCI0603F-2N0C	2.0±0.2nH	C,S	0.1V/250M	13	700	0.07	8000
CCI0603F-3N9C	3.9±0.2nH	C,S	0.1V/250M	22	700	0.07	6900
CCI0603F-4N7C	4.7±0.2nH	C,J,K	0.1V/250M	20	700	0.12	5800
CCI0603F-6N8C	6.8±0.2nH	C,J,K	0.1V/250M	27	700	0.08	5800
CCI0603F-8N2C	8.2±0.2nH	C,J,K	0.1V/250M	30	700	0.13	4200
CCI0603F-10NJ	10±5%	J,K	0.1V/250M	31	700	0.13	4800
CCI0603F-12NJ	12±5%	J,K	0.1V/250M	35	700	0.13	4000
CCI0603F-15NJ	15±5%	J,K	0.1V/250M	35	700	0.13	4000
CCI0603F-18NJ	18±5%	J,K	0.1V/250M	35	700	0.16	3100

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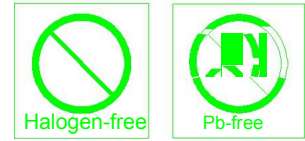
Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ 250MHz min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCII0603F-22NJ	22 \pm 5%	J,K	0.1V/250M	38	700	0.23	3000
CCII0603F-24NJ	24 \pm 5%	J,K	0.1V/250M	38	700	0.13	2800
CCII0603F-27NJ	27 \pm 5%	J,K	0.1V/250M	40	600	0.14	2800
CCII0603F-33NJ	33 \pm 5%	J,K	0.1V/250M	40	600	0.22	2300
CCII0603F-39NJ	39 \pm 5%	J,K	0.1V/250M	40	600	0.30	2200
CCII0603F-47NJ	47 \pm 5%	J,K	0.1V/200M	38	600	0.35	2000
CCII0603F-56NJ	56 \pm 5%	J,K	0.1V/200M	38	600	0.37	1900
CCII0603F-68NJ	68 \pm 5%	J,K	0.1V/200M	37	600	0.43	1700
CCII0603F-72NJ	72 \pm 5%	J,K	0.1V/150M	34	400	0.42	1700
CCII0603F-82NJ	82 \pm 5%	J,K	0.1V/150M	34	400	0.71	1700
CCII0603F-R10J	100 \pm 5%	J,K	0.1V/150M	34	400	0.78	1400
CCII0603F-R12J	120 \pm 5%	J,K	0.1V/150M	32	300	0.84	1300
CCII0603F-R15J	150 \pm 5%	J,K	0.1V/150M	28	280	0.96	990
CCII0603F-R18J	180 \pm 5%	J,K	0.1V/100M	25	240	1.52	990
CCII0603F-R22J	220 \pm 5%	J,K	0.1V/100M	25	200	2.02	900
CCII0603F-R27J	270 \pm 5%	J,K	0.1V/100M	24	170	2.36	900
CCII0603F-R33J	330 \pm 5%	J,K	0.1V/100M	24	185	3.40	700
CCII0603F-R39J	390 \pm 5%	J,K	0.1V/100M	24	100	3.60	900



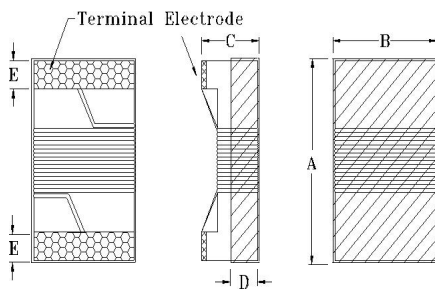
High Frequency Winding Type Chip Inductor CCII0805F-SERIES

1. Features

1. Ceramic core wire wound construction. 2.No batch to batch variations in inductance
- 3.High Reliability due to ceramic wire wound construction.
- 4.High frequency application.
- 5.Small footprint as well as low profile.
- 6.100% Lead(Pb) & Halogen-Free and RoHS compliant.



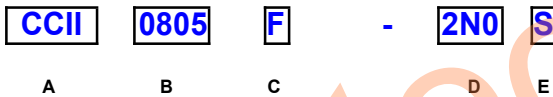
2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
CCII0805	2.40 max.	1.60 max.	1.40 max.	0.51 ref.	0.44±0.1

Unit:mm

3. Part Numbering

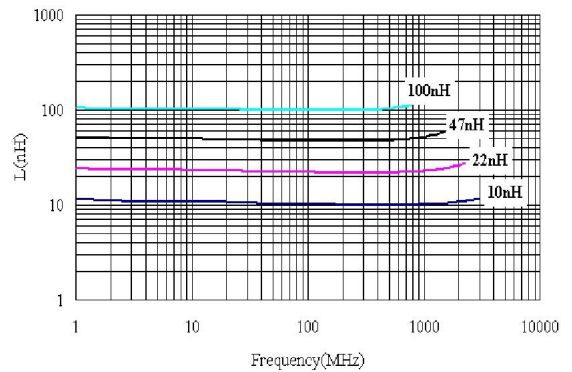
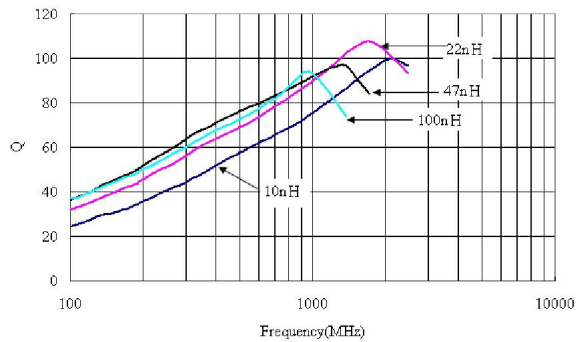


- A: Series
- B: Dimension
- C: Lead free type
- D: Inductance 2N0=2.0nH
- E: Inductance Tolerance C=±0.2nH, S=±0.3nH, J=±5%, K=±10%

4. Specification

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCII0805F-2N0C	2.0±0.2nH	C,S	0.1V/250M	70/1500	800	0.03	8000
CCII0805F-3N9C	3.9±0.2nH	C,S	0.1V/250M	70/1500	800	0.04	5750
CCII0805F-4N7C	4.7±0.2nH	C,S	0.1V/250M	70/1500	800	0.04	5750
CCII0805F-6N8C	6.8±0.2nH	C,J,K	0.1V/250M	70/1500	800	0.06	5500
CCII0805F-7N5C	7.5±0.2nH	C,J,K	0.1V/250M	70/1000	800	0.06	4500
CCII0805F-8N2C	8.2±0.2nH	C,J,K	0.1V/250M	70/1000	800	0.06	4700
CCII0805F-10NJ	10±5%	J,K	0.1V/250M	70/1000	600	0.08	4200
CCII0805F-12NJ	12±5%	J,K	0.1V/250M	80/1000	600	0.08	4000
CCII0805F-15NJ	15±5%	J,K	0.1V/250M	80/1000	600	0.10	3400

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCII0805F-18NJ	18 \pm 5%	J,K	0.1V/250M	80/1000	600	0.10	3300
CCII0805F-22NJ	22 \pm 5%	J,K	0.1V/250M	60/500	600	0.12	2600
CCII0805F-24NJ	24 \pm 5%	J,K	0.1V/250M	60/500	600	0.12	2000
CCII0805F-27NJ	27 \pm 5%	J,K	0.1V/250M	60/500	600	0.12	2500
CCII0805F-33NJ	33 \pm 5%	J,K	0.1V/250M	60/500	600	0.13	2050
CCII0805F-36NJ	36 \pm 5%	J,K	0.1V/250M	65/500	600	0.13	1700
CCII0805F-39NJ	39 \pm 5%	J,K	0.1V/250M	65/500	600	0.15	2000
CCII0805F-43NJ	43 \pm 5%	J,K	0.1V/200M	65/500	600	0.15	1650
CCII0805F-47NJ	47 \pm 5%	J,K	0.1V/200M	65/500	600	0.17	1650
CCII0805F-56NJ	56 \pm 5%	J,K	0.1V/200M	65/500	600	0.19	1550
CCII0805F-68NJ	68 \pm 5%	J,K	0.1V/200M	60/500	500	0.22	1450
CCII0805F-82NJ	82 \pm 5%	J,K	0.1V/150M	55/500	400	0.40	1300
CCII0805F-R10J	100 \pm 5%	J,K	0.1V/150M	55/500	400	0.52	1200
CCII0805F-R11J	110 \pm 5%	J,K	0.1V/150M	55/500	400	0.52	1200
CCII0805F-R12J	120 \pm 5%	J,K	0.1V/150M	50/250	400	0.55	1100
CCII0805F-R15J	150 \pm 5%	J,K	0.1V/150M	50/250	400	0.73	920
CCII0805F-R18J	180 \pm 5%	J,K	0.1V/100M	50/250	400	0.88	870
CCII0805F-R22J	220 \pm 5%	J,K	0.1V/100M	50/250	340	1.18	850
CCII0805F-R24J	240 \pm 5%	J,K	0.1V/100M	48/250	330	1.20	690
CCII0805F-R27J	270 \pm 5%	J,K	0.1V/100M	48/250	310	1.36	650
CCII0805F-R33J	330 \pm 5%	J,K	0.1V/100M	40/250	300	1.40	600
CCII0805F-R39J	390 \pm 5%	J,K	0.1V/100M	25/250	290	1.50	560
CCII0805F-R47J	470 \pm 5%	J,K	0.1V/50M	25/100	250	1.76	375
CCII0805F-R56J	560 \pm 5%	J,K	0.1V/25M	23/100	210	1.90	340
CCII0805F-R62J	620 \pm 5%	J,K	0.1V/25M	23/100	205	2.00	220
CCII0805F-R68J	680 \pm 5%	J,K	0.1V/25M	23/100	200	2.15	200
CCII0805F-R75J	750 \pm 5%	J,K	0.1V/25M	20/100	185	2.25	200
CCII0805F-R82J	820 \pm 5%	J,K	0.1V/25M	20/100	170	2.50	200
CCII0805F-1R0J	1000 \pm 5%	J,K	0.1V/25M	15/50	170	2.60	100



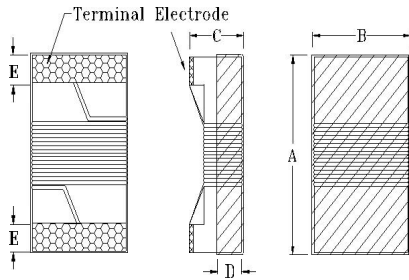
High Frequency Winding Type Chip Inductor CCI0805UF-SERIES

1. Features

1. Ceramic core wire wound construction.
2. No batch to batch variations in inductance
3. High Reliability due to ceramic wire wound construction.
4. High frequency application.
5. Small footprint as well as low profile.
6. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



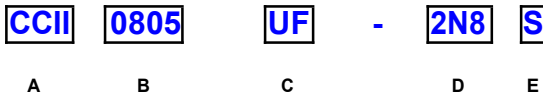
2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
CCI0805	2.29 max.	1.73 max.	1.52 max.	0.51 ref.	0.44±0.1

Unit:mm

3. Part Numbering



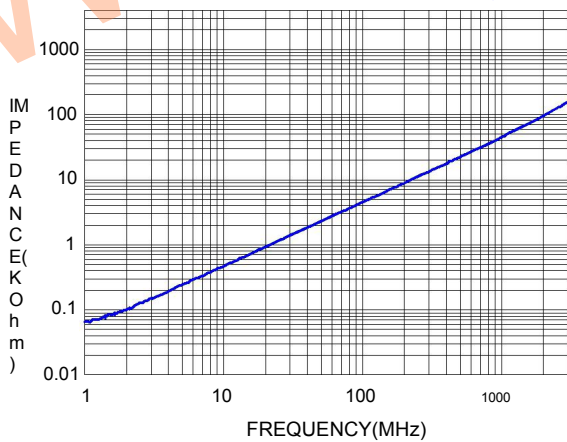
- A: Series
 B: Dimension
 C: Material
 D: Inductance
 E: Inductance Tolerance
- LxW
 2N8=2.8nH
 C=±0.2nH, S=±0.3nH, G=±2%, J=±5%, K=±10%

4. Specification

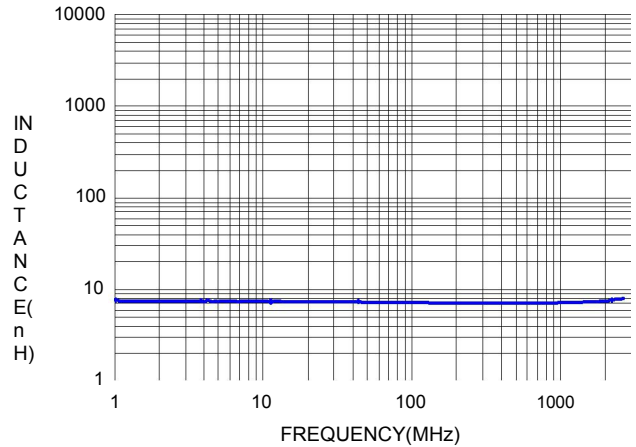
Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	I rms (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCI0805UF-2N8C	2.8±0.2nH	C,S	0.1V/250M	80/1500	800	0.06	7900
CCI0805UF-3N0C	3.0±0.2nH	C,S	0.1V/250M	65/1500	800	0.06	7900
CCI0805UF-3N3C	3.3±0.2nH	C,S	0.1V/250M	50/1500	600	0.08	7900
CCI0805UF-5N6C	5.6±0.2nH	C,S	0.1V/250M	65/1000	600	0.08	5500
CCI0805UF-6N8C	6.8±0.2nH	C,J	0.1V/250M	50/1000	600	0.11	5500
CCI0805UF-7N5C	7.5±0.2nH	C,J	0.1V/250M	50/1000	600	0.14	4500
CCI0805UF-8N2C	8.2±0.2nH	C,J	0.1V/250M	50/1000	600	0.12	4700
CCI0805UF-10NG	10±2%	G,J	0.1V/250M	60/500	600	0.10	4200
CCI0805UF-12NG	12±2%	G,J	0.1V/250M	50/500	600	0.15	4000
CCI0805UF-15NG	15±2%	G,J	0.1V/250M	50/500	600	0.17	3400
CCI0805UF-18NG	18±2%	G,J	0.1V/250M	50/500	600	0.20	3300
CCI0805UF-22NG	22±2%	G,J	0.1V/250M	55/500	500	0.22	2600
CCI0805UF-24NG	24±2%	G,J	0.1V/250M	50/500	500	0.22	2000
CCI0805UF-27NG	27±2%	G,J	0.1V/250M	55/500	500	0.25	2500
CCI0805UF-33NG	33±2%	G,J	0.1V/250M	60/500	500	0.27	2050

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	I rms (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCII0805UF-36NG	36±2%	G,J	0.1V/250M	55/500	500	0.27	1700
CCII0805UF-39NG	39±2%	G,J	0.1V/250M	60/500	500	0.29	2000
CCII0805UF-43NG	43±2%	G,J	0.1V/200M	60/500	500	0.34	1650
CCII0805UF-47NG	47±2%	G,J	0.1V/200M	60/500	500	0.31	1650
CCII0805UF-56NG	56±2%	G,J	0.1V/200M	60/500	500	0.34	1550
CCII0805UF-68NG	68±2%	G,J	0.1V/200M	60/500	500	0.38	1450
CCII0805UF-82NG	82±2%	G,J	0.1V/150M	65/500	400	0.42	1300
CCII0805UF-91NG	91±2%	G,J	0.1V/150M	65/500	400	0.48	1200
CCII0805UF-R10G	100±2%	G,J	0.1V/150M	65/500	400	0.46	1200
CCII0805UF-R11G	110±2%	G,J	0.1V/150M	50/250	400	0.48	1000
CCII0805UF-R12G	120±2%	G,J	0.1V/150M	50/250	400	0.51	1100
CCII0805UF-R15G	150±2%	G,J	0.1V/100M	50/250	400	0.56	920
CCII0805UF-R18G	180±2%	G,J	0.1V/100M	50/250	400	0.64	870
CCII0805UF-R20G	200±2%	G,J	0.1V/100M	50/250	400	0.68	860
CCII0805UF-R22G	220±2%	G,J	0.1V/100M	50/250	400	0.70	850
CCII0805UF-R24G	240±2%	G,J	0.1V/100M	44/250	350	1.00	690
CCII0805UF-R25G	250±2%	G,J	0.1V/100M	45/250	350	1.20	660
CCII0805UF-R27G	270±2%	G,J	0.1V/100M	48/250	350	1.00	650
CCII0805UF-R33G	330±2%	G,J	0.1V/100M	48/250	310	1.40	600
CCII0805UF-R39G	390±2%	G,J	0.1V/100M	48/250	290	1.50	560
CCII0805UF-R47G	470±2%	G,J	0.1V/50M	33/100	250	1.70	375
CCII0805UF-R56G	560±2%	G,J	0.1V/25M	23/50	230	1.90	340
CCII0805UF-R62G	620±2%	G,J	0.1V/25M	23/50	210	2.20	220
CCII0805UF-R68G	680±2%	G,J	0.1V/25M	23/50	190	2.20	188
CCII0805UF-R82G	820±2%	G,J	0.1V/25M	23/50	180	2.35	215
CCII0805UF-1R0G	1000±2%	G,J	0.1V/25M	20/50	170	2.5	100
CCII0805UF-1R2G	1200±2%	G,J	0.1V/7.9M	18/25	170	2.5	100

CCII0805UF-6N8J Z vs Freq.

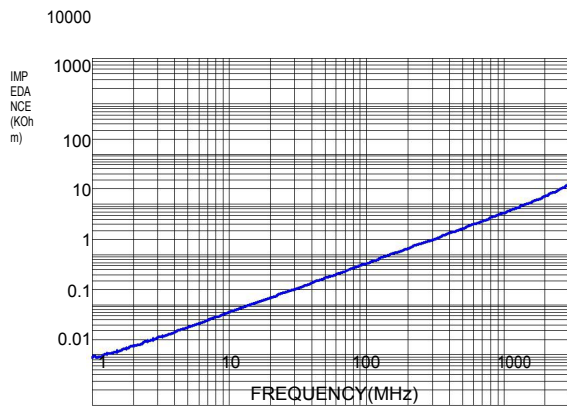


CCII0805UF-6N8

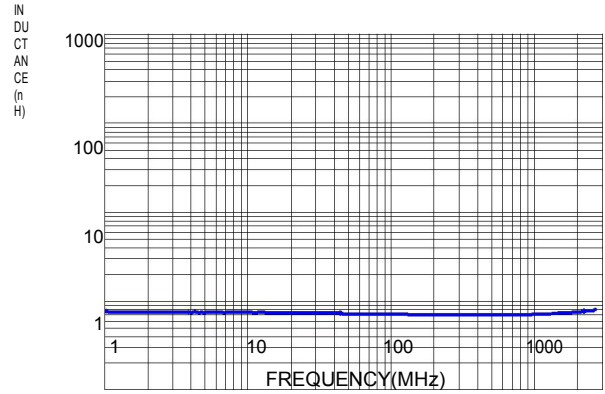


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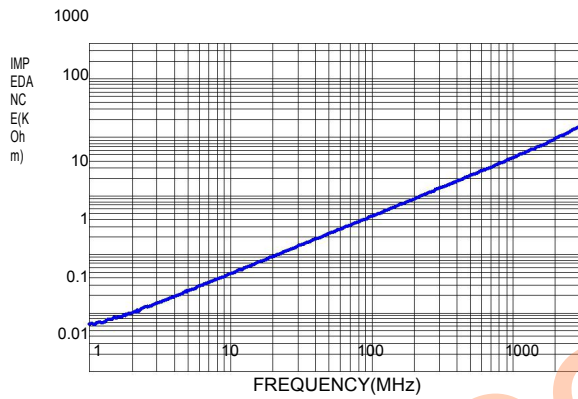
CCII0805UF-10NJ Z vs Freq.



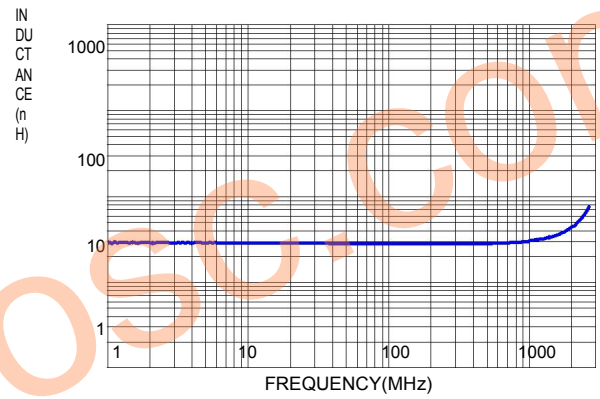
CCII0805UF-10N L Vs Freq



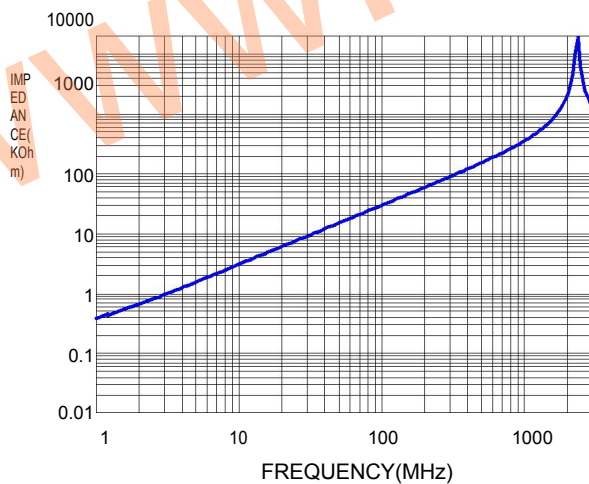
CCII0805UF-27NJ Z vs Freq.



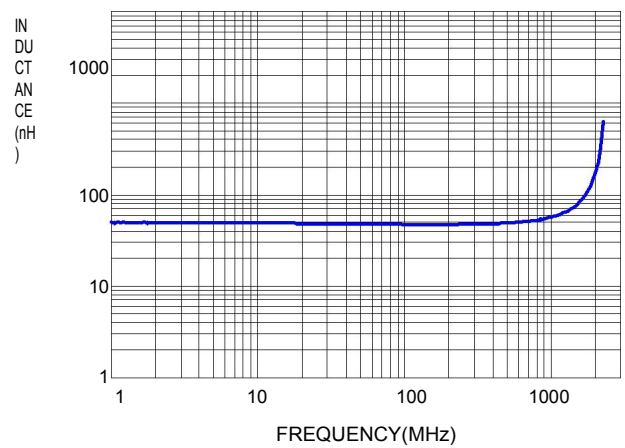
CCII0805UF-27N Ls VS Freq

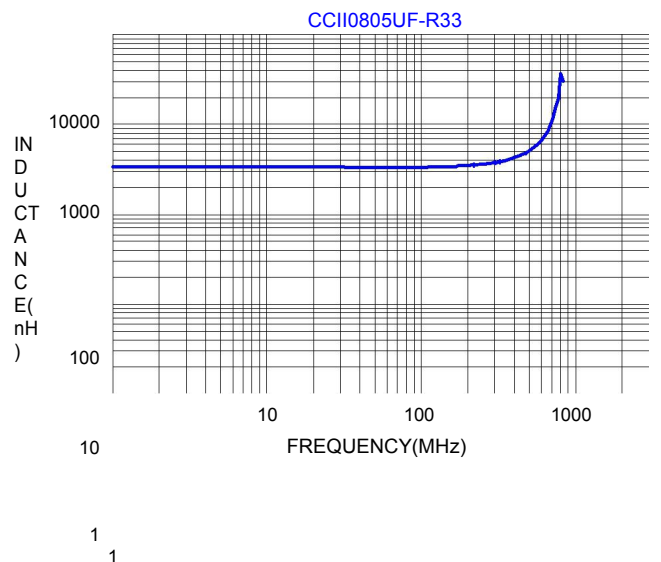
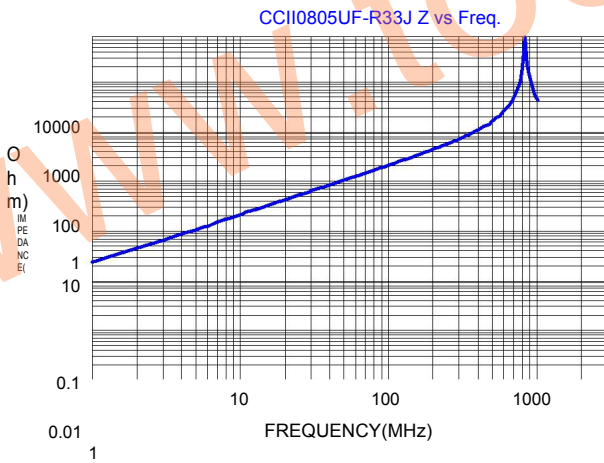
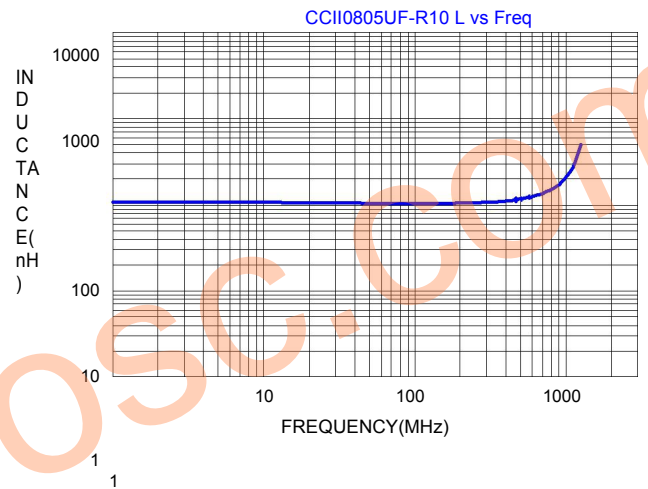
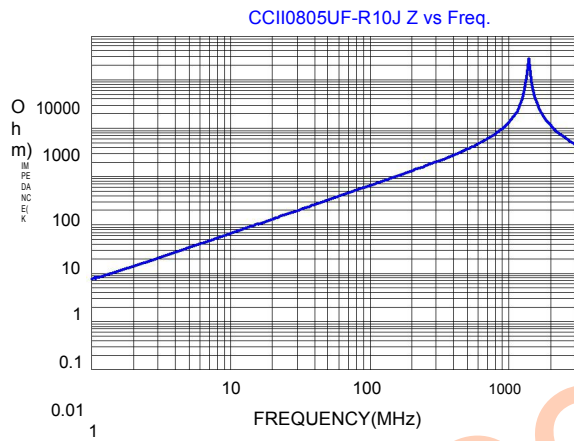
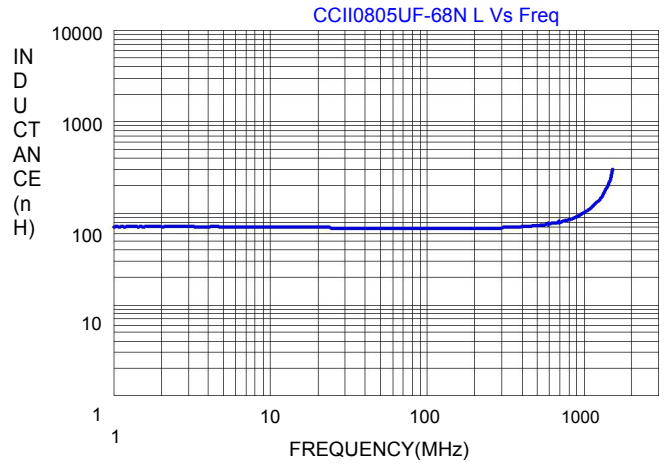
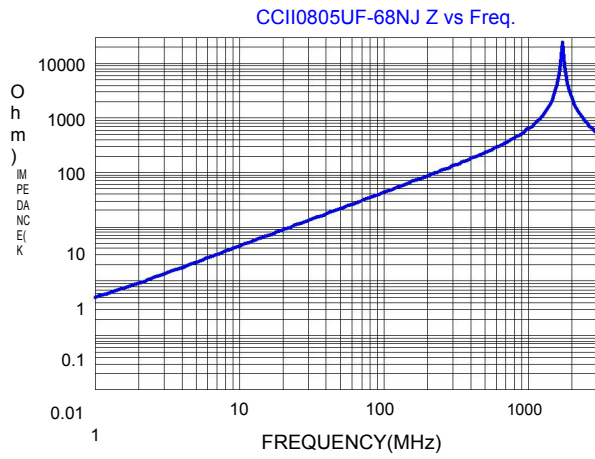


CCII0805UF-47NJ Z vs Freq.



CCII0805UF-47NJ Ls vs Freq.

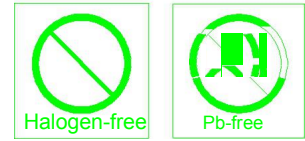




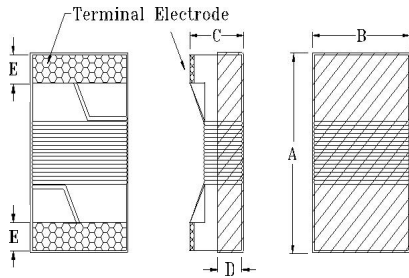
High Frequency Winding Type Chip Inductor CCII1008UF-SERIES

1. Features

1. Ceramic core wire wound construction.
2. No batch to batch variations in inductance
3. High Reliability due to ceramic wire wound construction.
4. High frequency application.
5. Small footprint as well as low profile.
6. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
CCII1008	2.92 max.	2.79 max.	2.20 max.	1.20 ref.	0.55±0.1

Unit:mm

3. Part Numbering

CCII **1008** **U** **F** - **10N** **J**

A B C D E F

A: Series
 B: Dimension
 C: Material
 D: Lead Free Code
 E: Inductance 10N=10nH
 F: Inductance Tolerance G=±2%, J=±5%, K=±10%

4. Specification

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCII1008UF-10NG	10±2%	G, J, K	0.1V/50M	50/500	1000	0.08	4100
CCII1008UF-12NG	12±2%	G, J, K	0.1V/50M	50/500	1000	0.09	3300
CCII1008UF-15NG	15±2%	G, J, K	0.1V/50M	50/500	1000	0.18	2500
CCII1008UF-18NG	18±2%	G, J, K	0.1V/50M	50/350	1000	0.11	2500
CCII1008UF-22NG	22±2%	G, J, K	0.1V/50M	55/350	1000	0.12	2400
CCII1008UF-27NG	27±2%	G, J, K	0.1V/50M	55/350	1000	0.13	1600
CCII1008UF-33NG	±2%	G, J, K	0.1V/50M	60/350	1000	0.14	1600
CCII1008UF-39NG	39±2%	G, J, K	0.1V/50M	60/350	1000	0.15	1500
CCII1008UF-47NG	47±2%	G, J, K	0.1V/50M	65/350	1000	0.16	1500
CCII1008UF-56NG	56±2%	G, J, K	0.1V/50M	65/350	1000	0.18	1300
CCII1008UF-68NG	68±2%	G, J, K	0.1V/50M	65/350	1000	0.20	1300
CCII1008UF-82NG	82±2%	G, J, K	0.1V/50M	60/350	1000	0.22	1000
CCII1008UF-R10G	100±2%	G, J, K	0.1V/25M	60/350	650	0.56	1000
CCII1008UF-R12G	120±2%	G, J, K	0.1V/25M	60/350	650	0.63	950

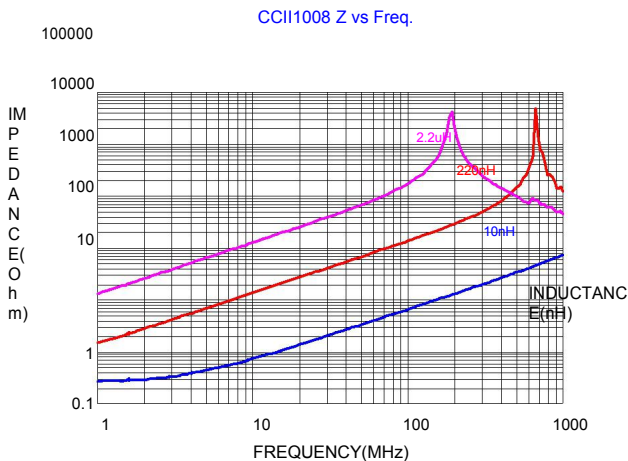
TOCOET

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCII1008UF-R15G	150±2%	G, J,K	0.1V/25M	45/100	580	0.70	850
CCII1008UF-R18G	180±2%	G, J,K	0.1V/25M	45/100	620	0.77	750
CCII1008UF-R22G	220±2%	G, J,K	0.1V/25M	45/100	500	0.84	700
CCII1008UF-R27G	270±2%	G, J,K	0.1V/25M	45/100	500	0.91	600
CCII1008UF-R33G	330±2%	G, J,K	0.1V/25M	45/100	450	1.05	570
CCII1008UF-R39G	390±2%	G, J,K	0.1V/25M	45/100	470	1.12	500
CCII1008UF-R47G	470±2%	G, J,K	0.1V/25M	45/100	470	1.19	450
CCII1008UF-R56G	560±2%	G, J,K	0.1V/25M	45/100	400	1.33	415
CCII1008UF-R62G	620±2%	G, J,K	0.1V/25M	45/100	300	1.40	375
CCII1008UF-R68G	680±2%	G, J,K	0.1V/25M	45/100	400	1.47	375
CCII1008UF-R75G	750±2%	G, J,K	0.1V/25M	45/100	360	1.54	360
CCII1008UF-R82G	820±2%	G, J,K	0.1V/25M	45/100	400	1.61	350
CCII1008UF-R91G	910±2%	G, J,K	0.1V/25M	35/50	380	1.68	320
CCII1008UF-1R0G	1000±2%	G, J,K	0.1V/25M	35/50	370	1.75	290
CCII1008UF-1R2G	1200±2%	G, J,K	0.1V/7.9M	35/50	310	2.00	250
CCII1008UF-1R5G	1500±2%	G, J,K	0.1V/7.9M	28/50	330	2.23	200
CCII1008UF-1R8G	1800±2%	G, J,K	0.1V/7.9M	28/50	300	2.60	160
CCII1008UF-2R2G	2200±2%	G, J,K	0.1V/7.9M	28/50	280	2.80	160
CCII1008UF-2R7G	2700±2%	G, J,K	0.1V/7.9M	22/25	290	3.20	140
CCII1008UF-3R3G	3300±2%	G, J,K	0.1V/7.9M	22/25	290	3.40	110
CCII1008UF-3R9G	3900±2%	G, J,K	0.1V/7.9M	20/25	260	3.6	100
CCII1008UF-4R7G	4700±2%	G, J,K	0.1V/7.9M	18/7.9	200	4	32
CCII1008UF-5R6G	5600±2%	G, J,K	0.1V/7.9M	18/7.9	200	4.0	25
CCII1008UF-6R8G	6800±2%	G, J,K	0.1V/7.9M	18/7.9	200	4.9	21
CCII1008UF-8R2G	8200±2%	G, J,K	0.1V/7.9M	16 /7.9	170	6.0	16
CCII1008UF-100G	10000±2%	G, J,K	0.1V/2.52M	15/7.9	170	8.0	14

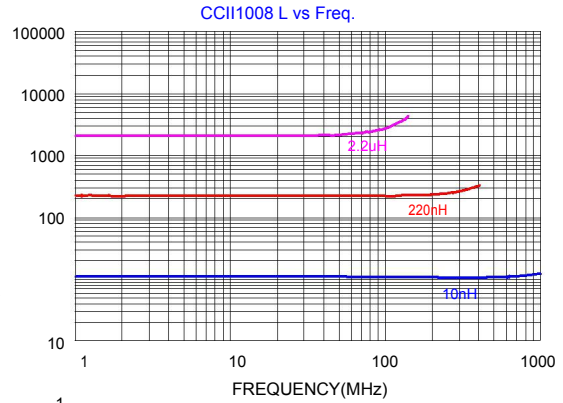
Note

IDC : Based on inductance change ($\Delta L/L0 : \leq 20\%$) @ ambient temp. 25°C

Impedance v.s. Frequency Characteristics



Inductance v.s. Frequency Characteristics



Winding Type Chip Inductor

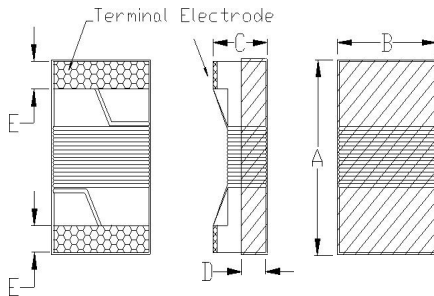
CCIL1608LF-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for Signal Use.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



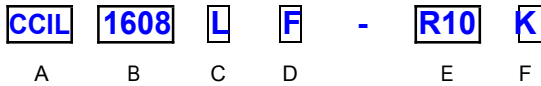
2. Dimensions



Size	A	B	C	D	E
CCIL1608	1.65±0.15	1.15±0.15	1.05±0.15	0.38 ref.	0.35±0.1

Unit:mm

3. Part Numbering



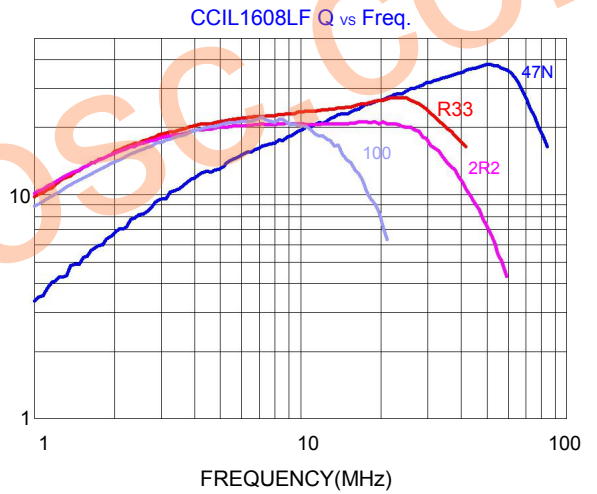
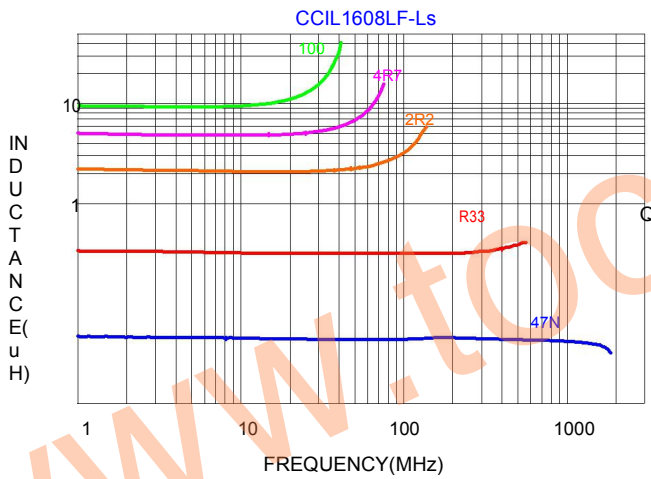
- A: Series
 - B: Dimension
 - C: Application
 - D: Lead free type
 - E: Inductance
 - F: Inductance Tolerance
- L x W
For Signal Use
- R10=0.1uH
J=±5%,K=±10%

4. Specification

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Typ	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
CCIL1608LF-47NK	0.047±10%	K	0.5V/7.9M	17	7.9	1700	0.075	1500
CCIL1608LF-72NK	0.072±10%	K	0.5V/7.9M	17	7.9	1700	0.12	1500
CCIL1608LF-R10K	0.1±10%	K	0.5V/7.9M	17	7.9	1500	0.12	1500
CCIL1608LF-R15K	0.15±10%	K	0.5V/7.9M	17	7.9	1350	0.15	1450
CCIL1608LF-R18K	0.18±10%	K	0.5V/7.9M	17	7.9	1150	0.15	1400
CCIL1608LF-R33K	0.33±10%	K	0.5V/7.9M	17	7.9	850	0.46	900
CCIL1608LF-R39K	0.39±10%	K	0.5V/7.9M	17	7.9	810	0.51	1100
CCIL1608LF-R47K	0.47±10%	K	0.5V/7.9M	17	7.9	720	0.62	1050
CCIL1608LF-R56K	0.56±10%	K	0.5V/7.9M	17	7.9	600	0.44	850
CCIL1608LF-R68K	0.68±10%	K	0.5V/7.9M	17	7.9	600	0.52	850
CCIL1608LF-R82K	0.82±10%	K	0.5V/7.9M	17	7.9	480	0.69	750
CCIL1608LF-R91K	0.91±10%	K	0.5V/7.9M	17	7.9	330	0.76	670
CCIL1608LF-1R0K	1.00±10%	K	0.5V/7.9M	17	7.9	310	0.81	600

TOCOET

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Typ	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
CCIL1608LF-1R2K	1.2±10%	K	0.5V/7.9M	17	7.9	270	0.87	550
CCIL1608LF-1R5K	1.5±10%	K	0.5V/7.9M	17	7.9	270	1.06	540
CCIL1608LF-1R8K	1.8±10%	K	0.5V/7.9M	17	7.9	230	1.1	520
CCIL1608LF-2R2K	2.2±10%	K	0.5V/7.9M	17	7.9	130	1.2	500
CCIL1608LF-2R7K	2.7±10%	K	0.5V/7.9M	17	7.9	105	1.5	480
CCIL1608LF-3R3K	3.3±10%	K	0.5V/7.9M	17	7.9	84	1.5	440
CCIL1608LF-3R9K	3.9±10%	K	0.5V/7.9M	17	7.9	80	1.6	430
CCIL1608LF-4R7J	4.7±5%	J,K	0.5V/7.9M	18	7.9	69	2.1	420
CCIL1608LF-5R6J	5.6±5%	J,K	0.5V/7.9M	18	7.9	65	2.6	350
CCIL1608LF-6R8J	6.8±5%	J,K	0.5V/7.9M	19	7.9	55	3.1	330
CCIL1608LF-7R8J	7.8±5%	J,K	0.5V/7.9M	17	7.9	47	3.5	320
CCIL1608LF-8R2J	8.2±5%	J,K	0.5V/7.9M	17	7.9	42	3.8	300
CCIL1608LF-100J	10±5%	J,K	0.5V/7.9M	19	7.9	40	4.8	270

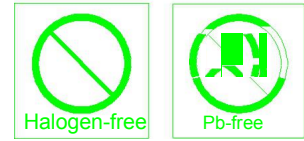


Winding Type Chip Inductor

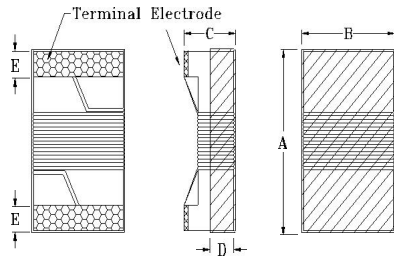
CCIL2012LF-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for Signal Use.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



2. Dimensions



Size	A	B	C	D	E
CCIL2012	2.40 max.	1.72 max.	1.52 max.	0.51 ref.	0.44±0.1

Unit:mm

3. Part Numbering

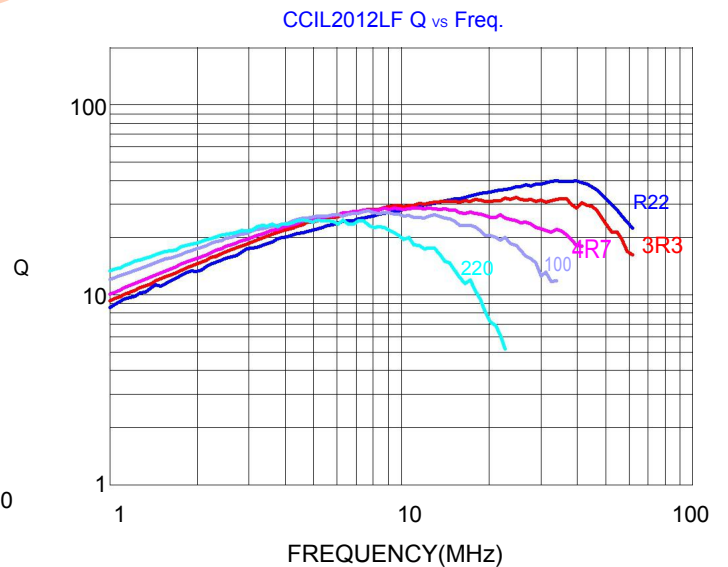
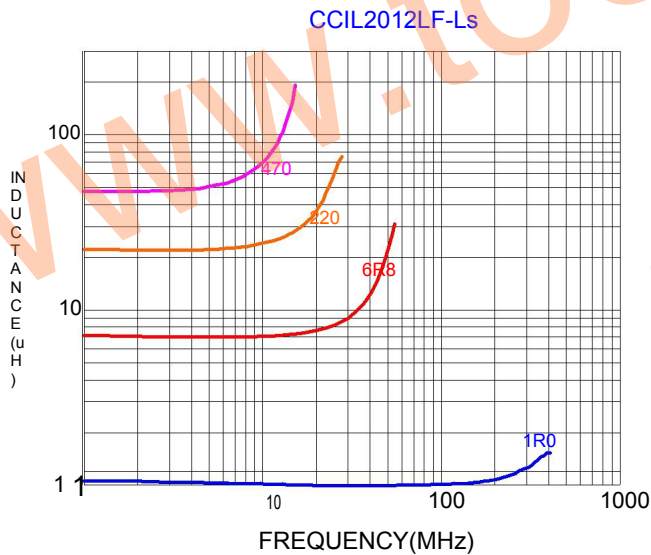
CCIL	2012	L	F	-	R47	K
A	B	C	D		E	F

- A: Series
 - B: Dimension
 - C: Application
 - D: Lead free type
 - E: Inductance
 - F: Inductance Tolerance
- L x W
For Signal Use
- R47=0.47 uH
J=±5% , K=±10%

4. Specification

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q typ.	IDC (mA) max.	DCR (Ω) max.	SRF (MHz) typ.
CCIL2012LF-78NK	0.078±10%	K	0.5V/7.9M	19	2000	0.06	1440
CCIL2012LF-90NK	0.090±10%	K	0.5V/7.9M	19	2000	0.07	1200
CCIL2012LF-R11K	0.11±10%	K	0.5V/7.9M	19	2000	0.07	1200
CCIL2012LF-R47K	0.47±10%	K	0.5V/7.9M	19	800	0.40	480
CCIL2012LF-R56K	0.56±10%	K	0.5V/7.9M	30	800	0.40	480
CCIL2012LF-R68K	0.68±10%	K	0.5V/7.9M	20	800	0.40	480
CCIL2012LF-R91K	0.91±10%	K	0.5V/7.9M	20	700	0.69	400
CCIL2012LF-1R0K	1.0±10%	K	0.5V/7.9M	20	700	0.69	400
CCIL2012LF-1R2K	1.20±10%	K	0.5V/7.9M	20	700	0.83	330

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q typ.	IDC (mA) max.	DCR (Ω) max.	SRF (MHz) typ.
CCIL2012LF-1R5K	1.50±10%	K	0.5V/7.9M	20	700	0.83	330
CCIL2012LF-1R8K	1.80±10%	K	0.5V/7.9M	20	650	1.00	300
CCIL2012LF-2R2K	2.20±10%	K	0.5V/7.9M	20	650	1.10	250
CCIL2012LF-2R7K	2.70±10%	K	0.5V/7.9M	23	650	1.25	200
CCIL2012LF-3R3K	3.30±10%	K	0.5V/7.9M	23	650	1.45	160
CCIL2012LF-3R9K	3.90±10%	K	0.5V/7.9M	23	600	1.50	90
CCIL2012LF-4R7J	4.70±5%	J,K	0.5V/7.9M	20	530	1.60	70
CCIL2012LF-5R6J	5.60±5%	J,K	0.5V/7.9M	20	500	1.70	65
CCIL2012LF-6R8J	6.80±5%	J,K	0.5V/7.9M	20	470	1.95	45
CCIL2012LF-8R2J	8.20±5%	J,K	0.5V/2.5	16	450	2.10	45
CCIL2012LF-100J	10.0±5%	J,K	0.5V/2.5	16	400	2.40	40
CCIL2012LF-120J	12.0±5%	J,K	0.5V/2.5	16	360	3.20	38
CCIL2012LF-150J	15.0±5%	J,K	0.5V/2.5	16	350	3.55	30
CCIL2012LF-180J	18.0±5%	J,K	0.5V/2.5	16	300	4.90	25
CCIL2012LF-220J	22.0±5%	J,K	0.5V/2.5	16	270	5.45	20
CCIL2012LF-270J	27.0±5%	J,K	0.5V/2.5	16	240	7.80	19
CCIL2012LF-330J	33.0±5%	J,K	0.5V/2.5	16	210	9.50	16
CCIL2012LF-470J	47.0±5%	J,K	0.5V/2.5	16	180	14.50	15



Winding Type Chip Inductor

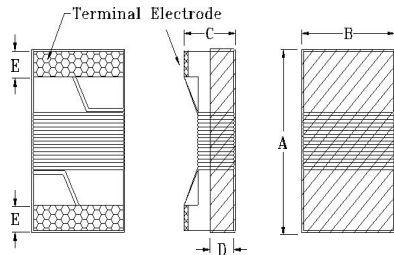
CCIS2012SF-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for Signal Use.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



2. Dimensions



Size	A	B	C	D	E
CCIS2012	2.40 max.	1.60 max.	1.40 max.	0.51 ref.	0.44±0.1

Unit:mm

3. Part Numbering

CCIS **2012** **S** **F** - **R47** **K**

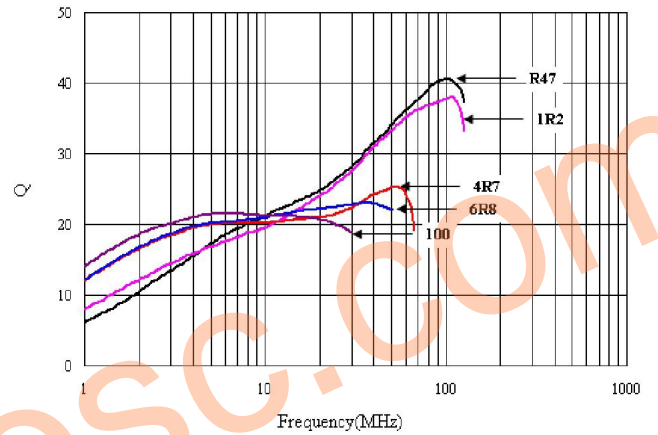
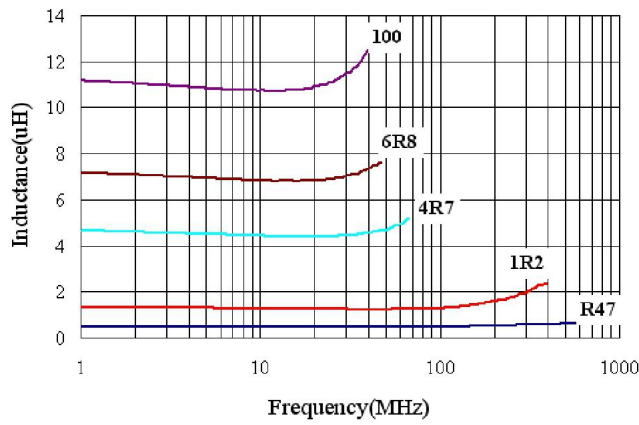
A B C D E F

- A: Series
 - B: Dimension
 - C: Application
 - D: Lead free type
 - E: Inductance
 - F: Inductance Tolerance
- L x W
For Signal Use
- R47=0.47 uH
J=±5% , K=±10%

4. Specification

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIS2012SF-R47J	0.47±5%	J,K	0.5V/25.2M	30	100	420	0.54	570
CCIS2012SF-R56J	0.56±5%	J,K	0.5V/25.2M	30	100	400	0.64	560
CCIS2012SF-R68J	0.68±5%	J,K	0.5V/25.2M	30	100	350	0.68	480
CCIS2012SF-R82J	0.82±5%	J,K	0.5V/25.2M	30	100	325	0.77	449
CCIS2012SF-1R0J	1.00±5%	J,K	0.5V/25.2M	30	100	300	0.86	394
CCIS2012SF-1R2J	1.20±5%	J,K	0.5V/25.2M	25	100	260	0.97	297
CCIS2012SF-1R5J	1.50±5%	J,K	0.5V/25.2M	25	25.2	250	1.08	206
CCIS2012SF-1R8J	1.80±5%	J,K	0.5V/25.2M	25	25.2	230	1.18	177
CCIS2012SF-2R2J	2.20±5%	J,K	0.5V/25.2M	20	25.2	220	1.32	141

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIS2012SF-2R7J	2.70±5%	J,K	0.5V/25.2M	20	25.2	210	1.42	128
CCIS2012SF-3R3J	3.30±5%	J,K	0.5V/25.2M	15	25.2	200	1.73	110
CCIS2012SF-3R9J	3.90±5%	J,K	0.5V/25.2M	15	25.2	195	1.72	103
CCIS2012SF-4R7J	4.70±5%	J,K	0.5V/25.2M	15	25.2	185	1.87	98
CCIS2012SF-5R6J	5.60±5%	J,K	0.5V/7.96M	15	7.96	180	2.18	60
CCIS2012SF-6R8J	6.80±5%	J,K	0.5V/7.96M	15	7.96	175	2.90	58
CCIS2012SF-8R2J	8.20±5%	J,K	0.5V/7.96M	15	7.96	140	3.31	40
CCIS2012SF-100J	10.0±5%	J,K	0.5V/7.96M	15	7.96	115	3.72	32



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Winding Type Chip Inductor

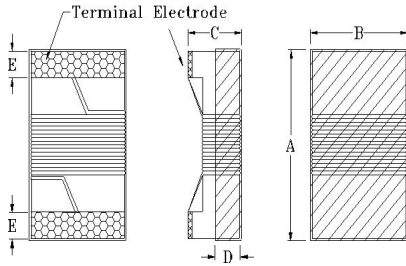
CCIS2520SF-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for Signal Use.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



2. Dimensions



Size	A	B	C	D	E
CCIS2520	2.90 max.	2.50 max.	2.10 max.	1.20 ref.	0.55±0.1

Unit:mm

3. Part Numbering

CCIS **2520** **S** **F** - **1R0** **K**

A: Series
 B: Dimension
 C: Application
 D: Lead Free Code
 E: Inductance
 F: Inductance Tolerance

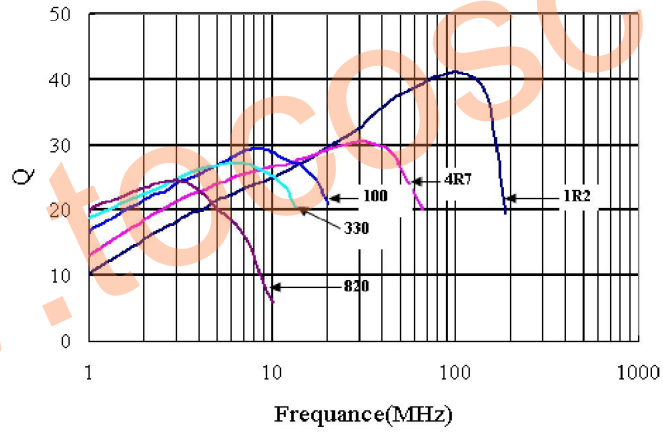
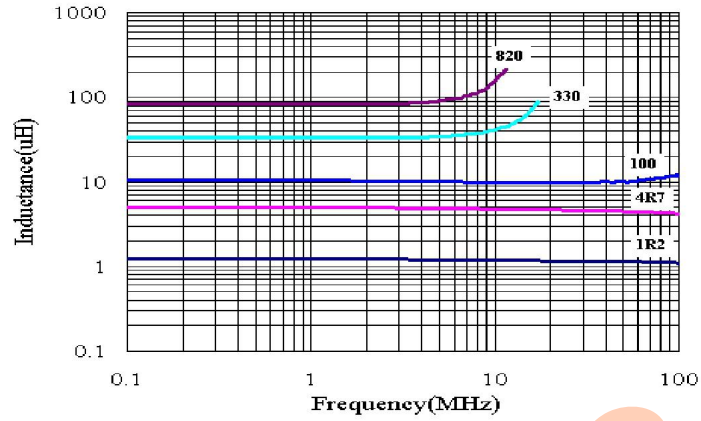
L x W
 For Signal Use
 1R0=1.0 uH
 J=±5%, K=±10%

4. Specification

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIS2520SF-1R0J	1.00±5%	J,K	0.5V/25.2M	30	25.2	400	0.80	285
CCIS2520SF-1R2J	1.20±5%	J,K	0.5V/25.2M	25	25.2	300	0.87	265
CCIS2520SF-1R5J	1.50±5%	J,K	0.5V/25.2M	25	25.2	260	0.98	235
CCIS2520SF-1R8J	1.80±5%	J,K	0.5V/25.2M	25	25.2	245	1.10	226
CCIS2520SF-2R2J	2.20±5%	J,K	0.5V/25.2M	25	25.2	230	1.22	198
CCIS2520SF-2R7J	2.70±5%	J,K	0.5V/25.2M	25	25.2	220	1.33	180
CCIS2520SF-3R3J	3.30±5%	J,K	0.5V/25.2M	25	25.2	210	1.46	143
CCIS2520SF-3R9J	3.90±5%	J,K	0.5V/25.2M	25	25.2	200	1.63	136
CCIS2520SF-4R7J	4.70±5%	J,K	0.5V/25.2M	25	25.2	195	1.76	105
CCIS2520SF-5R6J	5.60±5%	J,K	0.5V/25.2M	25	25.2	185	1.97	88
CCIS2520SF-6R8J	6.80±5%	J,K	0.5V/7.96M	25	7.96	190	1.79	56
CCIS2520SF-8R2J	8.20±5%	J,K	0.5V/7.96M	25	7.96	180	2.03	48
CCIS2520SF-100J	10.0±5%	J,K	0.5V/7.96M	25	7.96	165	2.92	44

TOCOET

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIS2520SF-120J	12.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	160	3.11	42
CCIS2520SF-150J	15.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	155	3.58	37
CCIS2520SF-180J	18.0 \pm 5%	J,K	0.5V/2.52M	20	2.52	150	3.89	32
CCIS2520SF-220J	22.0 \pm 5%	J,K	0.5V/2.52M	20	2.52	140	4.38	28
CCIS2520SF-270J	27.0 \pm 5%	J,K	0.5V/2.52M	20	2.52	130	4.92	24
CCIS2520SF-330J	33.0 \pm 5%	J,K	0.5V/2.52M	20	2.52	125	5.50	22



Winding Type Chip Inductor

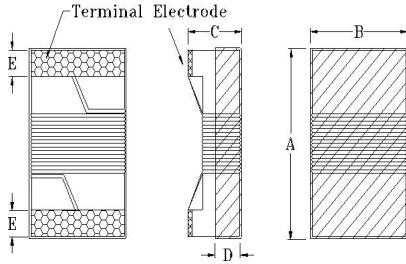
CCIS3225SF-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for Signal Use.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



2. Dimensions



Size	A	B	C	D	E
CCIS3225	3.60 max.	2.80 max.	2.50 max.	0.80 ref.	0.55±0.1

Unit:mm

3. Part Numbering

CCIS **3225** **S** **F** - **1R0** **K**

A B C D E F

- A: Series
 - B: Dimension
 - C: Application
 - D: Lead Free Code
 - E: Inductance
 - F: Inductance Tolerance
- L x W
For Signal Use
- 1R0=1.00uH
J=±5%, K=±10%

4. Specification

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIS3225SF-1R0J	1.00±5%	J,K	0.5V/25.2M	30	25.2	630	0.54	239
CCIS3225SF-1R2J	1.20±5%	J,K	0.5V/25.2M	30	25.2	630	0.54	221
CCIS3225SF-1R5J	1.50±5%	J,K	0.5V/25.2M	30	25.2	630	0.54	209
CCIS3225SF-1R8J	1.80±5%	J,K	0.5V/25.2M	30	25.2	630	0.62	203
CCIS3225SF-2R2J	2.20±5%	J,K	0.5V/25.2M	30	25.2	630	0.71	187
CCIS3225SF-2R7J	2.70±5%	J,K	0.5V/25.2M	30	25.2	630	0.74	157
CCIS3225SF-3R3J	3.30±5%	J,K	0.5V/25.2M	30	25.2	600	0.83	146
CCIS3225SF-3R9J	3.90±5%	J,K	0.5V/25.2M	30	25.2	380	1.74	139
CCIS3225SF-4R7J	4.70±5%	J,K	0.5V/25.2M	30	25.2	360	1.90	124
CCIS3225SF-5R6J	5.60±5%	J,K	0.5V/25.2M	30	25.2	330	2.05	114
CCIS3225SF-6R8J	6.80±5%	J,K	0.5V/7.96M	30	7.96	450	1.37	109
CCIS3225SF-8R2J	8.20±5%	J,K	0.5V/7.96M	30	7.96	420	1.50	104
CCIS3225SF-100J	10.0±5%	J,K	0.5V/7.96M	25	7.96	400	1.70	87

TOCOET

TOCOET Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
CCIS3225SF-120J	12.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	360	1.88	76
CCIS3225SF-150J	15.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	340	2.22	67
CCIS3225SF-180J	18.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	330	2.42	57
CCIS3225SF-220J	22.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	300	2.66	48
CCIS3225SF-270J	27.0 \pm 5%	J,K	0.5V/2.52M	25	2.52	250	2.99	38
CCIS3225SF-330J	33.0 \pm 5%	J,K	0.5V/2.52M	25	2.52	220	3.24	26

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