

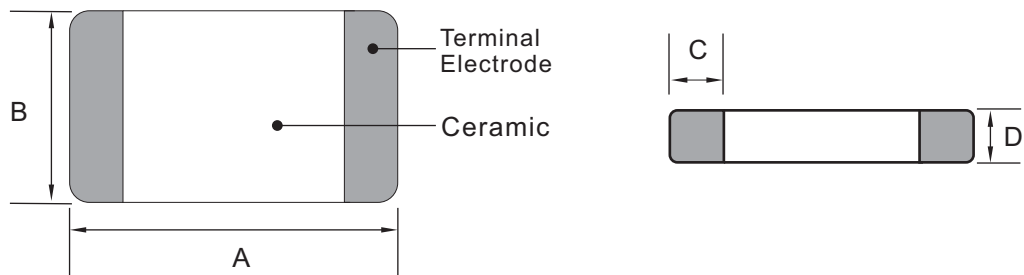
Multilayer Chip Power Inductor



Features and Applications

- 0.9mm in height, which is suitable for low- profile applications.
- Comparing with a winding type, this series is small, low height and high efficiency.
- Stable low DC resistance.
- No cross coupling between inductors due to the complete magnetic shield, which is suitable for high dense printed circuit boards.
- DC-DC converters and power modules can be applied in the following products. Cellular phone, DSC, DVC, PDA, DVD and HDD.

Dimensions (Unit:mm)



Type	A	B	C	D
CFCI0603	1.6±0.15	0.8±0.15	0.3±0.2	0.5±0.15
				0.8±0.15
CFCI0805	2.0(+0.3,-0.1)	1.25±0.2	0.5±0.3	0.5±0.1
				0.9±0.2
				1.25±0.2
CFCI0806	2.0(+0.3,-0.1)	1.6±0.15	0.5±0.3	0.9±0.2
CFCI1008	2.5±0.2	2.0(+0.3,-0.1)	0.5±0.3	0.9±0.2
				1.1±0.2
CFCI1206	3.2±0.2	1.6±0.2	0.5±0.3	0.9±0.2

Electrical Specifications-CFCI0603

P/N	Inductance (uH)	Thickness (mm)	Test Frequency (MHz)	SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
CFCI0603-R47□ 0.9A	0.47	0.5±0.1	5	105	0.19±25%	900
CFCI0603-R47□ 1.2A	0.47	0.8±0.15	5	105	0.12±25%	1200
CFCI0603-R47□ 0.8A	0.47	0.8±0.15	5	105	0.25±25%	800
CFCI0603-R68□ 1A	0.68	0.8±0.15	5	90	0.16±25%	1000
CFCI0603-1R0□ 0.95A	1.0	0.8±0.15	1	75	0.20±25%	950
CFCI0603-1R5□ 0.8A	1.5	0.8±0.15	1	50	0.25±25%	800
CFCI0603-2R2□ 0.75A	2.2	0.8±0.15	1	40	0.30±25%	750
CFCI0603-2R2□ 1A	2.2	0.8±0.15	1	80	≤0.2	1000
CFCI0603-100□ 0.3A	10	0.8±0.15	1	30	0.60±30%	300

★ Please specify the inductance tolerance code(M=±20%,N=±30%)

Electrical Specifications-CFCI0805

P/N	Inductance (uH)	Thickness (mm)	Test Frequency (MHz)	SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
CFCI0805-R47□ 1.1A	0.47	0.5±0.1	1	100	0.12±25%	1100
CFCI0805-1R0□ 0.8A	1	0.5±0.1	1	60	0.19±25%	800
CFCI0805-1R5□ 0.7A	1.5	0.5±0.1	1	50	0.26±25%	700
CFCI0805-2R2□ 0.6A	2.2	0.5±0.1	1	40	0.34±25%	600
CFCI0805-R47□ 1.2A	0.47	0.9±0.1	1	100	0.09±25%	1200
CFCI0805-1R0□ 1A	1	0.9±0.1	1	60	0.11±25%	1000
CFCI0805-1R5□ 0.9A	1.5	0.9±0.1	1	50	0.16±25%	900
CFCI0805-2R2□ 0.8A	2.2	0.9±0.1	1	40	0.25±25%	800
CFCI0805-3R3□ 0.9A	3.3	0.9±0.1	1	30	0.19±25%	900
CFCI0805-4R7□ 0.8A	4.7	0.9±0.1	1	30	0.25±25%	800
CFCI0805-2R2□ 0.5A	2.2	0.9±0.1	1	40	0.45±25%	500
CFCI0805-2R2□ 0.64A	2.2	1.25±0.1	1	40	0.33±30%	640
CFCI0805-4R7□ 0.6A	4.7	1.25±0.1	1	25	0.50±30%	600

Electrical Specifications-CFCI0806

P/N	Inductance (uH)	Thickness (mm)	Test Frequency (MHz)	SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
CFCI0806-R47□ 1.6A	0.47	0.9±0.1	1	100	0.06±25%	1600
CFCI0806-1R0□ 1.4A	1	0.9±0.1	1	70	0.09±25%	1400
CFCI0806-1R5□ 1.2A	1.5	0.9±0.1	1	60	0.11±25%	1200
CFCI0806-2R2□ 1.2A	2.2	0.9±0.1	1	50	0.11±25%	1200
CFCI0806-3R3□ 1.2A	3.3	0.9±0.1	1	40	0.12±25%	1200
CFCI0806-4R7□ 1.1A	4.7	0.9±0.1	1	30	0.14±25%	1100

★Please specify the inductance tolerance code(M=±20%,N=±30%)

Electrical Specifications-CFCI1008

P/N	Inductance (uH)	Thickness (mm)	Test Frequency (MHz)	SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
CFCI1008-R47□ 1.8A	0.47	0.9±0.1	1	100	0.04±25%	1800
CFCI1008-1R0□ 1.6A	1.0	0.9±0.1	1	60	0.06±25%	1600
CFCI1008-1R5□ 1.5A	1.5	0.9±0.1	1	50	0.07±25%	1500
CFCI1008-2R2□ 1.3A	2.2	0.9±0.1	1	40	0.08±25%	1300
CFCI1008-3R3□ 1.2A	3.3	0.9±0.1	1	30	0.10±25%	1200
CFCI1008-4R7□ 1.1A	4.7	0.9±0.1	1	25	0.11±25%	1100
CFCI1008-1R0□ 1.5A	1.0	1.1±0.1	1	70	0.09±25%	1500
CFCI1008-2R2□ 1A	2.2	1.1±0.1	1	40	0.12±25%	1000
CFCI1008-3R3□ 1A	3.3	1.1±0.1	1	30	0.12±25%	1000
CFCI1008-4R7□ 0.9A	4.7	1.1±0.1	1	25	0.14±25%	900
CFCI1008-100□ 0.8A	10	1.1±0.1	1	15	0.30±25%	800

★Please specify the inductance tolerance code(M=±20%,N=±30%)

Electrical Specifications-CFCI1206

P/N	Inductance (uH)	Thickness (mm)	Test Frequency (MHz)	SRF(Min) (MHz)	DCR(Max) (Ω)	IDC(Max) (mA)
CFCI1206-1R0□ 1.2A	1.0	0.9±0.2	1	60	0.15	1200
CFCI1206-1R2□ 1.2A	1.2	0.9±0.2	1	65	0.15	1200
CFCI1206-1R5□ 1A	1.5	0.9±0.2	1	60	0.17	1000
CFCI1206-1R8□ 0.9A	1.8	0.9±0.2	1	55	0.24	900
CFCI1206-2R2□ 0.9A	2.2	0.9±0.2	1	50	0.24	900
CFCI1206-2R7□ 0.8A	2.7	0.9±0.2	1	45	0.3	800
CFCI1206-3R3□ 0.8A	3.3	0.9±0.2	1	41	0.3	800
CFCI1206-3R9□ 0.7A	3.9	0.9±0.2	1	38	0.38	700
CFCI1206-4R7□ 0.7A	4.7	0.9±0.2	1	35	0.38	700
CFCI1206-5R6□ 0.5A	5.6	0.9±0.2	1	32	0.45	500
CFCI1206-6R8□ 0.5A	6.8	0.9±0.2	1	29	0.45	500
CFCI1206-8R2□ 0.3A	8.2	0.9±0.2	1	26	0.55	300
CFCI1206-100□ 0.3A	10	0.9±0.2	1	24	0.55	300
CFCI1206-120□ 0.3A	12	0.9±0.2	1	22	0.55	300
CFCI1206-150□ 0.1A	15	0.9±0.2	1	19	0.65	100
CFCI1206-180□ 0.1A	18	0.9±0.2	1	18	0.65	100

★Please specify the inductance tolerance code(M=±20%,N=±30%)