

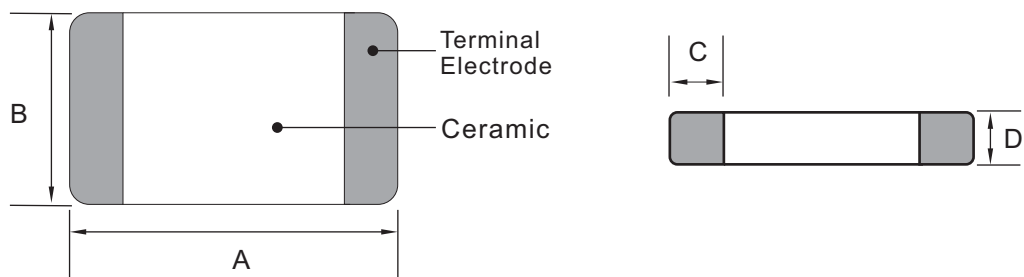
Multilayer Ferrite Power Chip Inductor



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(Ref.)
CFCI0805	2.0±0.2	1.25±0.2	0.9±0.1	0.3~0.7
CFCI0806	2.0±0.15	1.6±0.15	0.9±0.1	0.3~0.7
CFCI1008	2.5±0.2	2.0±0.2	0.9±0.1	0.4~0.8

Electrical Specifications-CFCI0805

P/N	Inductance (nH)	Thickness (mm)	Test Frequency (MHz)	SRF(Min) (MHz)	DCR (Ω)	IDC(Max) (mA)
CFCI0805-R47M	0.47±20%	0.9±0.1	1	100	0.10±25%	1100
CFCI0805-R68M	0.68±20%	0.9±0.1	1	100	0.12±25%	1000
CFCI0805-R82M	0.82±20%	0.9±0.1	1	90	0.14±25%	900
CFCI0805-1R0M	1.0±20%	0.9±0.1	1	90	0.16±25%	800
CFCI0805-1R2M	1.2±20%	0.9±0.1	1	80	0.16±25%	800
CFCI0805-1R5M	1.5±20%	0.9±0.1	1	70	0.22±25%	700
CFCI0805-1R8M	1.8±20%	0.9±0.1	1	60	0.22±25%	700
CFCI0805-2R2M	2.2±20%	0.9±0.1	1	50	0.25±25%	600
CFCI0805-3R3M	3.3±20%	0.9±0.1	1	40	0.22±25%	500
CFCI0805-4R7M	4.7±20%	0.9±0.1	1	30	0.30±25%	500

Electrical Specifications-CFCI0806

P/N	Inductance (nH)	Thickness (mm)	Test Frequency (MHz)	SRF(Min) (MHz)	DCR (Ω)	IDC(Max) (mA)
CFCI0806-R47M	0.47±20%	0.9±0.1	1	100	0.14±30%	1500
CFCI0806-R68M	0.68±20%	0.9±0.1	1	90	0.15±30%	1500
CFCI0806-R82M	0.82±20%	0.9±0.1	1	80	0.16±30%	1500
CFCI0806-1R0M	1.0±20%	0.9±0.1	1	60	0.16±30%	1400
CFCI0806-1R2M	1.2±20%	0.9±0.1	1	60	0.16±30%	1400
CFCI0806-1R5M	1.5±20%	0.9±0.1	1	50	0.20±30%	1200
CFCI0806-1R8M	1.8±20%	0.9±0.1	1	50	0.20±30%	1200
CFCI0806-2R2M	2.2±20%	0.9±0.1	1	40	0.22±30%	1200
CFCI0806-3R3M	3.3±20%	0.9±0.1	1	30	0.24±30%	1100
CFCI0806-4R7M	4.7±20%	0.9±0.1	1	20	0.30±30%	1100

Electrical Specifications-CFCI1008

P/N	Inductance (nH)	Thickness (mm)	Test Frequency (MHz)	SRF(Min) (MHz)	DCR (Ω)	IDC(Max) (mA)
CFCI1008-R47M	0.47±20%	0.9±0.1	1	100	0.07±25%	1800
CFCI1008-R68M	0.68±20%	0.9±0.1	1	90	0.09±25%	1700
CFCI1008-R82M	0.82±20%	0.9±0.1	1	80	0.10±25%	1700
CFCI1008-1R0M	1.0±20%	0.9±0.1	1	60	0.11±25%	1600
CFCI1008-1R2M	1.2±20%	0.9±0.1	1	60	0.11±25%	1600
CFCI1008-1R5M	1.5±20%	0.9±0.1	1	50	0.13±25%	1500
CFCI1008-1R8M	1.8±20%	0.9±0.1	1	50	0.13±25%	1500
CFCI1008-2R2M	2.2±20%	0.9±0.1	1	40	0.17±25%	1300
CFCI1008-3R3M	3.3±20%	0.9±0.1	1	30	0.16±25%	1200
CFCI1008-4R7M	4.7±20%	0.9±0.1	1	25	0.20±25%	1100