

SMD High Current Power Inductor

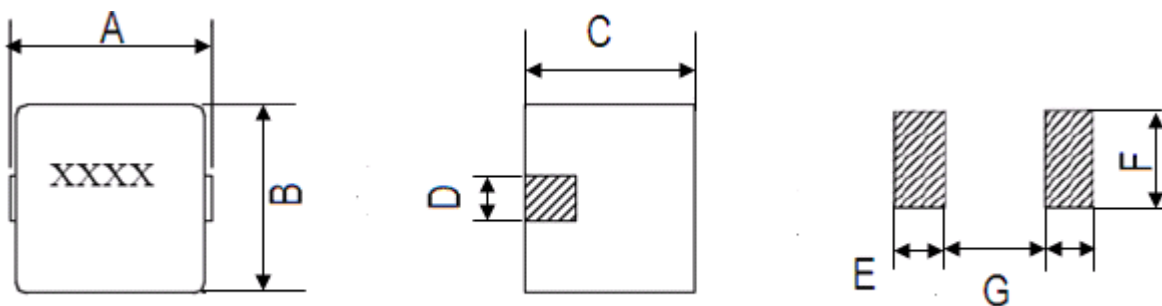
Application Field

- Desktop, and server applications.
- High current power supplies.
- Battery powered devices.
- DC/DC converters in distributed power systems.
- DC/DC converters for field programmable gate array.

FEATURES

- RoHS Compliant..
- Super low resistance ,ultra high current rating.
- High performance (I sat) realized by metal dust core.
- Frequency Range :up to 1MHz.

Dimensions (Unit: mm)



Unit : mm

Size	A	B	C	D	E	F	G
MFCC-0807	8.5±0.3	8.0±0.3	7.2±0.3	2.3±0.3	2.3	3.0	4.4
MFCC-1009	10.9±0.5	10.0±0.5	9.3±0.5	3.0±0.5	2.3	3.6	6.9
MFCC-1210	12.1±0.5	11.5±0.5	9.5±0.5	3.5±0.5	2.9	5.4	7.0

Part Number Code

MFCC - 0807 1R0 M
 1 2 3 4

- 1、Product Code
- 2、Dimensions Code
- 3、Inductance = Decimal Point
- 4、Tolerance: L = ±15%、M = ±20%、N = ±30%

Specification

Part No.	Inductance (μH)	DC Resistance (mΩ)		Rated Current	
		Typical	Max	Lrms (Amp)	L sat (Amp)
MFCC-0807-R30	0.30	1.40	1.82	36.0	20.5
MFCC-0807-R47	0.47	1.70	2.21	32.0	19.0
MFCC-0807-R68	0.68	1.70	2.21	23.5	19.0
MFCC-0807-1R0	1.00	2.95	3.84	24.0	17.0
MFCC-0807-1R5	1.50	4.35	5.66	18.5	16.5
MFCC-0807-2R2	2.20	4.35	5.66	15.0	16.5
MFCC-0807-3R3	3.30	6.65	8.65	11.0	14.0

Part No.	Inductance (μH)	DC Resistance (mΩ)		Rated Current	
		Typical	Max	Lrms (Amp)	L sat (Amp)
MFCC-1009-R22	0.22	0.60	0.78	60.0	21.5
MFCC-1009-R33	0.33	0.60	0.78	55.0	21.5
MFCC-1009-R47	0.47	0.80	1.04	47.0	20.5
MFCC-1009-R68	0.68	0.80	1.04	38.0	20.5
MFCC-1009-R82	0.82	1.35	1.76	36.0	20.0
MFCC-1009-1R0	1.00	1.35	1.76	32.0	20.0
MFCC-1009-1R5	1.50	2.50	3.25	27.0	18.0
MFCC-1009-2R2	2.2	3.07	3.99	22.0	16.5
MFCC-1009-3R3	3.3	5.04	6.55	18.0	14.0
MFCC-1009-4R7	4.7	8.20	10.66	17.0	13.0
MFCC-1009-6R8	6.8	13.20	17.16	14.5	11.5
MFCC-1009-8R2	8.2	13.20	17.16	12.0	11.5
MFCC-1009-100	10.0	20.70	26.91	10.0	9.00

Part No.	Inductance (μH)	DC Resistance (mΩ)		Rated Current	
		Typical	Max	Lrms (Amp)	L sat (Amp)
MFCC-1210-R22	0.22	0.53	0.69	60.0	27.0
MFCC-1210-R33	0.33	0.53	0.69	55.0	27.0
MFCC-1210-R47	0.47	0.72	0.94	48.0	26.0
MFCC-1210-R68	0.68	0.72	0.94	38.0	26.0
MFCC-1210-R82	0.82	1.17	1.52	36.0	24.0
MFCC-1210-1R0	1.00	1.17	1.52	32.0	24.0
MFCC-1210-1R5	1.50	2.10	2.73	27.0	19.5
MFCC-1210-2R2	2.20	3.05	3.97	23.0	18.0
MFCC-1210-3R3	3.30	4.40	5.72	17.0	17.0
MFCC-1210-4R7	4.70	6.35	8.26	17.0	15.5
MFCC-1210-6R8	6.80	8.98	11.67	13.0	13.0
MFCC-1210-8R2	8.20	9.90	12.87	12.0	13.0
MFCC-1210-100	10.0	14.4	18.72	10.0	9.0