

## FEATURES 特点

- Low profile, high current power supplies.  
小造型，大电流
- Low loss realized with low DCR.  
低直流电阻，低损耗
- Ultra low buzz noise.  
低噪音



## APPLICATIONS 应用

- Ideally used in NB/Desktop/server/Graphic card, LCD TV/Projector, etc as DC-DC Converter.  
用于笔记本电脑、台式电脑、显卡、液晶电视、投影机、DC-DC 转换等。

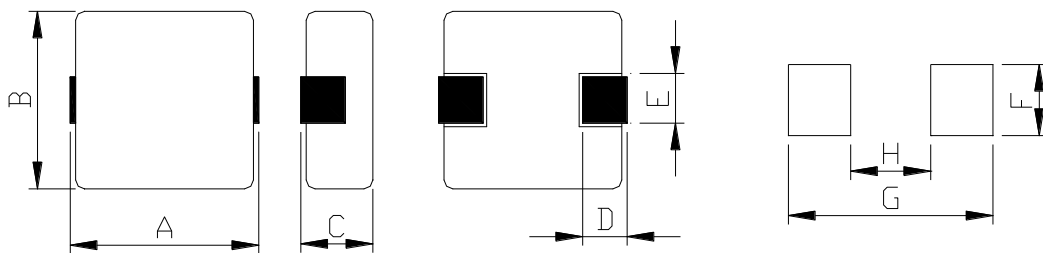
## Product Identification 产品标识

MAPM   0630   F   -   3R3   M   :   LF

①          ②          ③          ④          ⑤          ⑥

- ① Series name 系列名称
- ② Product dimensions 产品尺寸：(0630: 6.6\*6.6\*3.0 mm)
- ③ Structure code 产品结构代号
- ④ Inductance Value 电感量：(3R3:3.3uH 100: 10uH; 101:100uH)
- ⑤ Inductance Tolerance 电感量公差：(M:20% ; N:30%)
- ⑥ Lead free products 无铅产品

## Shapes And Dimensions 外型及尺寸示意图



Series	Dimensions(mm)							
	A(max.)	B(max.)	C(max.)	D	E	F	G	H
MAPM0420F	4.8	4.5	2.1	0.76±0.5	1.5±0.3	2.3	5.0	1.16
MAPM0630F	7.8	7.0	3.1	1.27±0.5	3.0±0.3	3.5	8.4	3.7
MAPM1040F	11.5	11.0	4.0	2.2±0.5	3.0±0.5	4.0	13.6	6.0
MAPM1335F	14.5	13.0	3.5	2.3±0.5	3.5±0.5	4.5	14.5	8.0
MAPM1350F	14.5	13.0	5.0	2.3±0.5	3.5±0.5	4.5	14.5	8.0

Electrical Characteristics 电气性能

MAPM0420F Series

Part Number	L±20% (uH)	DCR max. ( mΩ)	Isat (A)	Irms (A)
MAPM0420F-R47M-LF	0.47	16	7.0	7.0
MAPM0420F-1R0M-LF	1.0	27	5.0	4.5
MAPM0420F-1R5M-LF	1.5	48	4.0	3.5
MAPM0420F-2R2M-LF	2.2	70	3.5	3.2
MAPM0420F-4R7M-LF	4.7	110	2.5	1.7
MAPM0420F-6R8M-LF	6.8	180	2.1	2.0
MAPM0420F-100M-LF	10	285	1.8	1.6

MAPM0630F Series

Part Number	L±20% (uH)	DCR max. ( mΩ)	Isat (A)	Irms (A)
MAPM0630F-R47M-LF	0.47	4.2	26	17
MAPM0630F-R68M-LF	0.68	5.5	25	15
MAPM0630F-R82M-LF	0.82	8.0	24	12
MAPM0630F-1R0M-LF	1.0	10	22	10
MAPM0630F-1R5M-LF	1.5	15	17	9.0
MAPM0630F-2R2M-LF	2.2	20	14	8.0
MAPM0630F-3R3M-LF	3.3	30	13	6.0
MAPM0630F-4R7M-LF	4.7	40	10	5.0
MAPM0630F-6R8M-LF	6.8	60	8	4.5
MAPM0630F-8R2M-LF	6.8	85	7	4
MAPM0630F-100M-LF	10	110	6	3.0

MAPM1040F Series

Part Number	L±20% (uH)	DCR max. ( mΩ)	Isat (A)	Irms (A)
MAPM1040F-1R0M-LF	1.0	4.5	31	17
MAPM1040F-1R5M-LF	1.5	6	27	15
MAPM1040F-2R2M-LF	2.2	9	25	12
MAPM1040F-3R3M-LF	3.3	12	18	10
MAPM1040F-4R7M-LF	4.7	17	17	9.5
MAPM1040F-5R6M-LF	5.6	20	16	8.5
MAPM1040F-8R2M-LF	8.2	24	13	8.0
MAPM1040F-100M-LF	10	37	12	6.8
MAPM1040F-150M-LF	15	90	7	3.5
MAPM1040F-220M-LF	22	120	3	2.0

Electrical Characteristics 电气性能

MAPM1335F Series

Part Number	L±20% (uH)	DCR max. ( mΩ)	Isat (A)	Irms (A)
MAPM1335F-R47M-LF	0.47	2.0	55	32
MAPM1335F-R68M-LF	0.68	2.5	49	28
MAPM1335F-1R0M-LF	1.0	3.5	40	23
MAPM1335F-1R5M-LF	1.5	5.5	35	19
MAPM1335F-2R2M-LF	2.2	8	29	16
MAPM1335F-3R3M-LF	3.3	12	27	12
MAPM1335F-4R7M-LF	4.7	15	24	10
MAPM1335F-6R8M-LF	6.8	22	18	9
MAPM1335F-8R2M-LF	8.2	28	16	8.5
MAPM1335F-100M-LF	10	34	14	7
MAPM1335F-220M-LF	22	90	4.5	3

MAPM1350F Series

Part Number	L±20% (uH)	DCR max. ( mΩ)	Isat (A)	Irms (A)
MAPM1350F-R47M-LF	0.47	1.3	65	38
MAPM1350F-R82M-LF	0.82	2.3	53	31
MAPM1350F-1R0M-LF	1.0	2.5	50	29
MAPM1350F-1R5M-LF	1.5	4.1	48	23
MAPM1350F-2R2M-LF	2.2	5.5	32	20
MAPM1350F-3R3M-LF	3.3	9.2	30	15
MAPM1350F-4R7M-LF	4.7	15	27	12
MAPM1350F-5R6M-LF	5.6	17	22	11.5
MAPM1350F-6R8M-LF	6.8	19	21	11
MAPM1350F-8R2M-LF	8.2	23	18	9.5
MAPM1350F-100M-LF	10	26	16	9

1. Test frequency at 100KHz,0.1 Vrms.
2. Isat: DC current at which the inductance drops 30% from its value without current.
3. Irms: Current that causes a 40°C temperature rise from 25°C ambient.

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