

规格書

SPECIFICATION FOR APPROVAL

DESCRIPTION: SMD INDUCTOR

PART NO.: 贴片大电流电感系列

DRAWING		
MADE	CHECKED	APPROVED
罗玲	曾强	钟丽
DATE: 2018年3月28日		

CUSTOMER APPROVE

深圳市丰辉旺科技有限公司

深圳市宝安区石岩镇松柏路中港星科技园8701

官网 ; www.jh-dzcl.com

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- 1.一体成型、贴片式扁平漆包线绕制构造。
 - 2.低电阻、低损耗、小体积大电流设计。
 - 3.磁性屏蔽结构, 工作频率范围高达 1MHz 以上, 测试频率100KHZ/0. 25V。
 - 4.使用低损耗的合金系磁性粉末压铸成型,可避免噪音产生。
 - 5.在高频和高温环境下具有良好的直流电流特性。
 - 6.适于回流焊 SMT 工艺。
 - 7.无铅产品,符合环保指令。
 - 8.最适用于个人电脑和分配电源系统以及电压调节模块等的 DC-DC 升降压转换的应用。
 - 9.可按照客户工程需要,并根据 Power 最小损耗来选用不同的合金系磁性粉末进行设计和压铸生产。
1. Composite forming、SMD type copper ribbon Flat wire structure
 2. Low DCR, lower loss, low profile package with large current design.
 3. Magnetically shielded construction, High frequency range up to 1MHz.
 4. The use low loss of magnetic iron powder core die-casting forming, avoid ultra low buzz noise.
 5. Good DC current characteristics in high frequency and high temperature.
 6. Suitable for SMT craft reflow soldering.
 7. Lead free products, RoHS compliant.
 8. Personal computers and distributed power systems or VRM applications for DC-DC converter ent.
 9. Can choose different magnetic alloy power to design and produce by the way of die-casting in accordance with customer demands and the minimum loss of power.

● 应用 APPLICATIONS

- PDA /笔记本/台式机/服务器应用程序 PDA/Notebook/Desktop/Server application
- 大电流 POL 转换器 High current POL converters
- 薄型, 大电流电源 Lower profile, high current power supplies
- 电池供电的设备 Battery powered devices
- 分布式电源系统中的 DC / DC 转换器 DC/DC converters in distributed power systems
- 用于现场可编程门阵列（FPGA）的 DC / DC 转换器 DC/DC converters for FPGA

● 产品型号规格表示法 Part Number System

FHW

①

1265

②

-

1R5

③

M

④

-

W

⑤

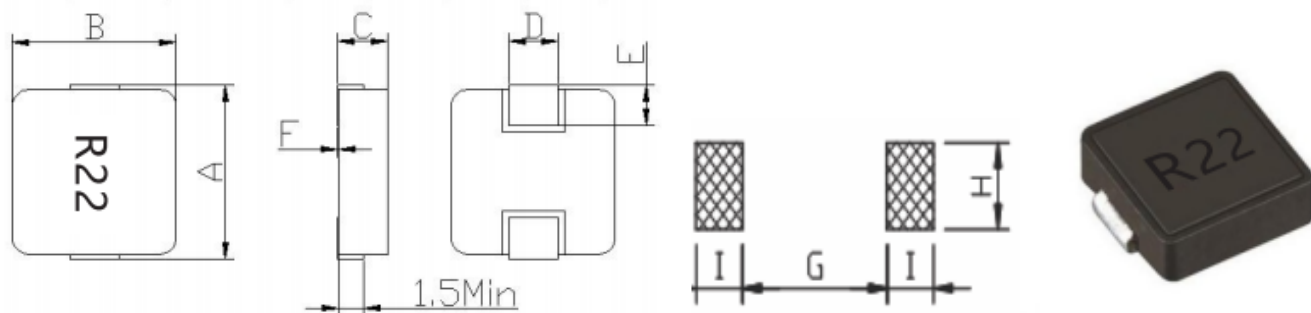
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⑥

① 代号 Code	②规格尺寸 Dimensions (L×W×T) (mm)		③电感量 (μH) Inductance		④公差 Tolerance		⑤外形		⑥内部编码
FHW HJ 系列	0420	4.7×4.2×1.8	R47	0.47	M	±20%	无标识	平面	X
	0520	5.7×5.2×1.8	1R0	1.0	N	±30%	W	框面	
	0530	5.7×5.2×2.8	100	10	L	±15%			
	0620	7.1×6.6×1.8	101	100					
	0630	7.3×6.6×2.8	330	33					
	0650	7.3×6.6×4.8							
	1040	10.7×10.2×3.8							
	1050	10.7×10.2×4.8							
	1250	13.8×12.8×4.8							
	1265	13.8×12.8×6.2							

FHW-0415/ MCMDA 0420 Series

单位 Unit: mm



RECOMMENDED
LAND PATTERNS

型号 Part No.	A	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
0415/2.0	4.6±0.3	4.2±0.3	1.5/2.0	2.0±0.2	1.0±0.5	0.15	1.75	2.5	1.5
Part Number	L0 Inductance (μH) ±20%		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR mΩ TYPICAL 25 ° C		DCR mΩ MAX
FHW-0415-R47M-X	0.47		7.0		9.5		21.0		25.0
FHW-0415-R68M-X	0.68		5.0		8.0		27.0		29.0
FHW-0415-1R0M-X	1.0		6.5		7.0		28.0		36.0
FHW-0415-1R5M-X	1.5		5.5		6.0		38.0		46.0
FHW-0415-2R2M-X	2.2		4.5		5.0		52.0		58.0
FHW-0420-R22M-X	0.22		9.0		12.5		6.0		7.0
FHW-0420-R47M-X	0.47		7.0		9.5		21.0		25.0
FHW-0420-R56M-X	0.56		6.5		9.0		23.0		27.0
FHW-420-R68M-X	0.68		5.5		8.0		27.0		29.0
FHW-0420-1R0M-X	1.0		4.5		7.5		28.0		36.0
FHW-0420-1R5M-X	1.5		4.0		6.0		38.0		46.0
FHW-0420-2R2M-X	2.2		3.0		5.0		52.0		58.0
FHW-0420-3R3M-X	3.3		2.5		4.0		74.0		87.0
FHW-0420-4R7M-X	4.7		2.2		3.0		92.0		105.0
FHW-0420-6R8M-X	6.8		2.0		2.5		168.0		180.0
FHW-0420-100M-X	10.0		1.5		2.0		185.0		200.0

*: you require another part number please contact with us.

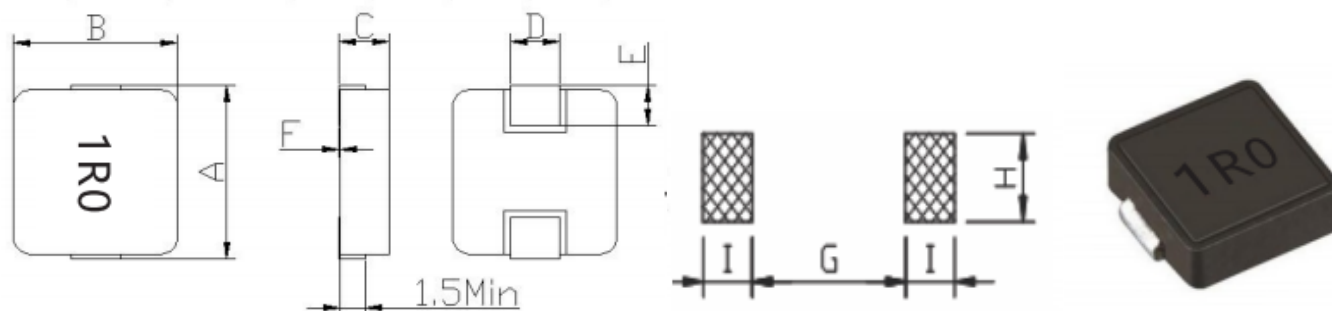
**: Inductance Tolerance ±20%

Note 1: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 2: Idc : DC current (A) that will cause an approximate ΔT of 40℃

FHW-0520/MCMDA0530 Series

单位 Unit: mm



RECOMMENDED
LAND PATTERNS

型号 Part No.	A	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
0520/0530	5.6 ± 0.2	5.3 ± 0.3	2.0/3.0	2.0 ± 0.3	2.3 ± 0.2	0.15	1.75	2.5	1.5
Part Number	L0 Inductance (μ H) $\pm 20\%$		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR m Ω TYPICAL 25 ° C		DCR m Ω MAX
FHW-0520-R47M-X	0.47		8.0		12.5		7.0		7.7
FHW-0520-1R0M-X	1.0		7.0		7.5		17.0		18.5
FHW-0520-2R2M-X	2.2		5.0		5.0		35.0		38.0
FHW-0520-3R3M-X	3.3		4.0		4.5		58.5		68.0
FHW-0520-4R7M-X	4.7		3.0		3.5		75.5		81.5
FHW-0520-5R6M-X	5.6		2.2		3.0		85.5		92.0
FHW-0520-6R8M-X	6.8		2.0		2.8		114.0		121.0
FHW-0520-100M-X	10.0		2.0		2.5		185.0		200.0
FHW-0530-R68M-X	0.68		8.5		14.0		11.0		12.0
FHW-0530-1R0M-X	1.0		7.0		11.0		13.0		14.0
FHW-0530-1R2M-X	1.2		6.5		11.0		15.0		16.0
FHW-0530-1R5M-X	1.5		6.0		10.0		20.0		25.0
FHW0530-2R2M-X	2.2		5.5		9.0		29.0		35.0
FHW-0530-3R3M-X	3.3		5.0		7.0		32.0		38.0
FHW-0530-4RM7-X	4.7		3.0		5.0		50.0		60.0
FHW-0530-100M-X	10.0		2.0		3.0		165.0		180.0

*: you require another part number please contact with us.

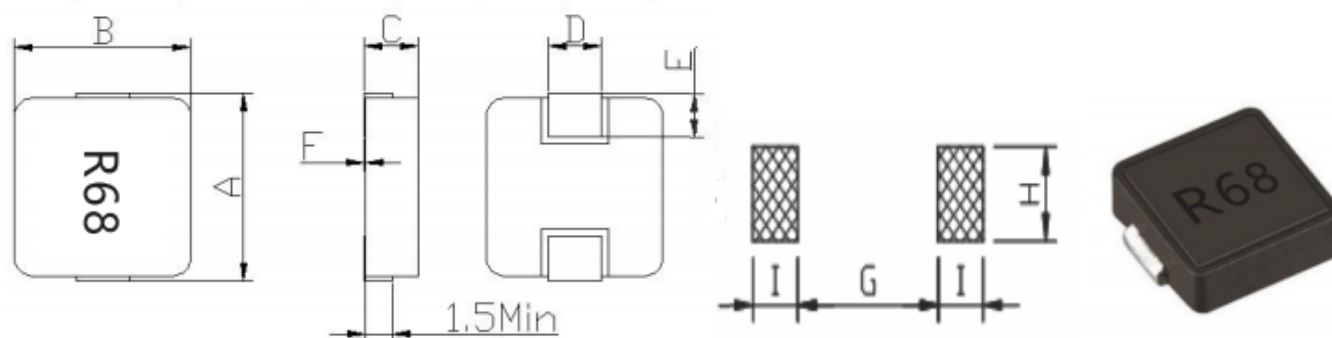
**: Inductance Tolerance $\pm 20\%$

Note 1: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 2: Idc : DC current (A) that will cause an approximate ΔT of 40°C

FHW0-0620 Series

单位 Unit: mm



RECOMMENDED
LAND PATTERNS

型号 Part No.	A MAX	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
0620	7.6	6.6±0.2	2.0	3.0±0.2	1.5±0.5	0.15	3.71	3.43	1.83
Part Number	L0 Inductance (μ H) $\pm 20\%$		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR $m\Omega$ TYPICAL 25 ° C		DCR $m\Omega$ MAX
FHW-0620-R33M-X	0.33		16.0		25.0		4.5		6.0
FHW-0620-R47M-X	0.47		10.0		20.0		5.5		7.0
FHW-0620-R68M-X	0.68		9.0		15.0		7.3		8.4
FHW-0620-1R0M-X	1.0		7.5		14.0		10.5		13.0
FHW-0620-2R2M-X	2.2		6.5		10.0		23.0		27.0
FHW-0620-3R3M-X	3.3		5.0		8.0		44.0		48.0
FHW-0620-4R7M-X	4.7		3.5		7.5		76.0		80.0
FHW-0620-6R8M-X	6.8		2.5		4.0		95.0		103.0
FHW-0620-100M-X	10.0		1.8		3.0		120.0		130.0

*: you require another part number please contact with us.

**: Inductance Tolerance $\pm 20\%$

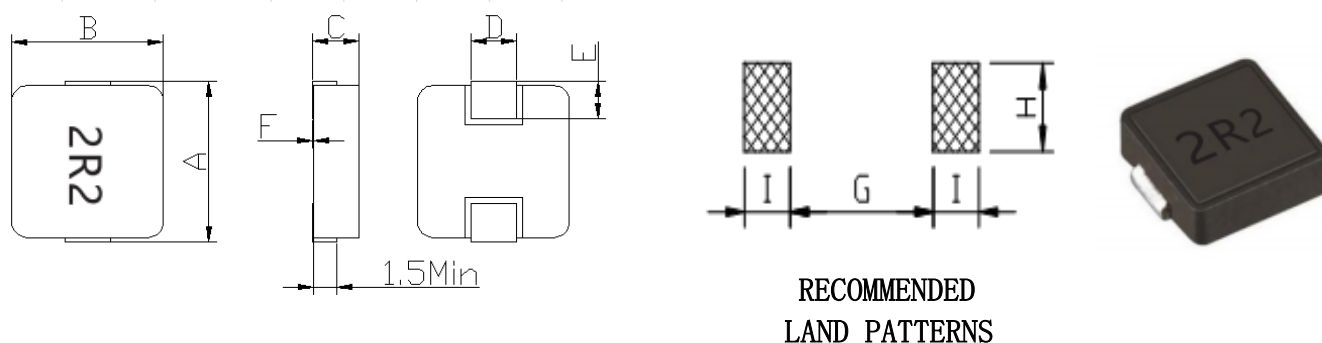
Note 1: All test data is referenced to 25°C ambient.

Note 2: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 3: Idc : DC current (A) that will cause an approximate ΔT of 40°C

FHW-0624 Series

单位 Unit: mm



型号 Part No.	A MAX	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
0624	7.6	6.6±0.2	2.4	3.0±0.2	1.5±0.5	0.15	3.71	3.43	1.83
Part Number	L0 Inductance (μH) ±20%		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR mΩ TYPICAL 25 ° C		DCR mΩ MAX
FHW-0624-R47M-X	0.47		14.0		19.0		5.5		6.5
FHW-0624-R68M-X	0.68		11.5		18.0		8.0		9.5
FHW-0624-1R0M-X	1.0		10.0		15.0		12.5		14.5
FHW-0624-1R5M-X	1.5		8.0		13.0		17.5		21.5
FHW-0624-2R2M-X	2.2		7.0		12.5		28.0		34.0
FHW-0624-3R3M-X	3.3		5.5		9.0		45.0		52.0
FHW-0624-4R7M-X	4.7		5.0		7.5		57.0		63.0
FHW-0624-6R8M-X	6.8		4.0		6.0		83.0		95.0
FHW-0624-100M-X	10.0		3.0		4.0		108.0		130.0

*: you require another part number please contact with us.

**： Inductance Tolerance ±20%

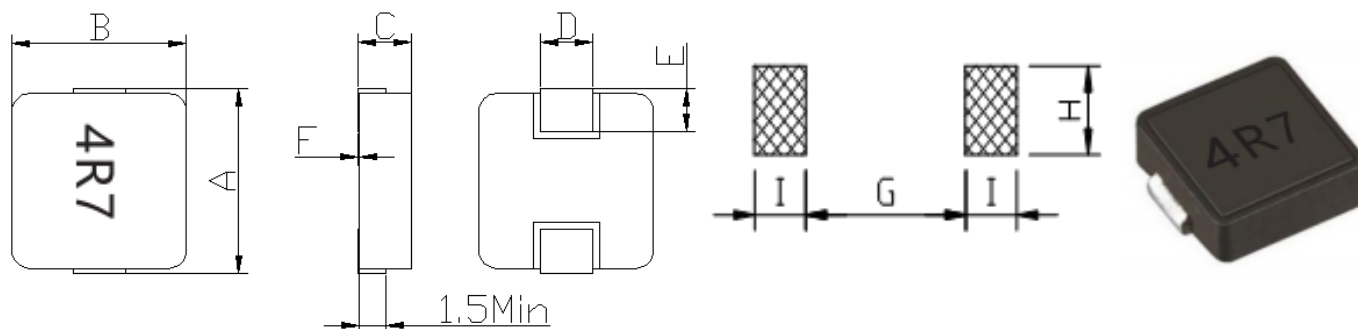
Note 1: All test data is referenced to 25°C ambient.

Note 2: Idc : DC current (A) that will cause an approximate ΔT of 40°C

Note 3: Isat : DC current (A) that will cause Lo to drop approximately 30%

FHW-0630 Series

单位 Unit: mm



RECOMMENDED LAND PATTERNS

型号 Part No.	A MAX	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
0630	7.6	6.6 ± 0.2	3.0	3.0 ± 0.2	1.5 ± 0.5	0.15	3.71	3.43	1.83
Part Number	L0 Inductance (μ H) $\pm 20\%$		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR m Ω TYPICAL 25 ° C		DCR m Ω MAX
FHW-0630-R22M-X	0.22		24.0		34.0		2.4		3.0
FHW-0630-R33M-X	0.33		21.0		25.0		3.0		3.5
FHW-0630-R47M-X	0.47		18.0		20.0		3.4		4.5
FHW-0630-R68M-X	0.68		16.0		17.0		4.8		5.5
FHW-0630-R82M-X	0.82		14.0		16.0		5.5		6.0
FHW-0630-1R0M-X	1.0		11.0		15.0		8.0		10.0
FHW-0630-1R5M-X	1.5		10.0		14.0		12.5		15.0
FHW-0630-2R2M-X	2.2		8.0		10.0		13.5		20.0
FHW-0630-3R3M-X	3.3		6.5		9.5		18.0		30.0
FHW-0630-4R7M-X	4.7		5.5		7.0		28.0		40.0
FHW-0630-5R6M-X	5.6		5.5		6.0		39.0		46.0
FHW-0630-6R8M-X	6.8		4.5		6.0		43.0		60.0
FHW-0630-8R2M-X	8.2		4.0		6.0		54.0		60.0
FHW-0630-100M-X	10.0		3.5		5.5		62.0		75.0
FHW-0630-150M-X	15.0		3.0		4.0		105.0		110.0
FHW-0630-220M-X	22.0		2.5		3.0		125.0		135.0
FHW-0630-330M-X	33.0		2.0		2.5		230.0		260.0

*: you require another part number please contact with us.

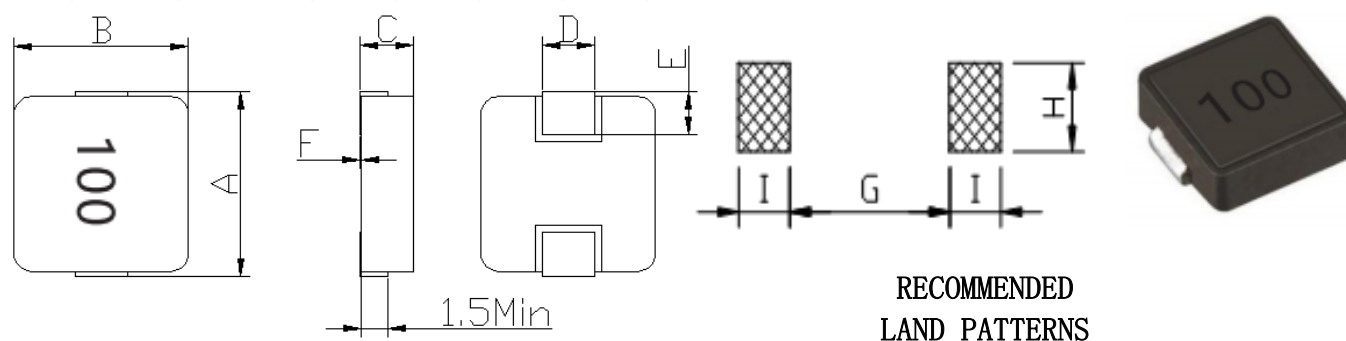
**: Inductance Tolerance $\pm 20\%$

Note 1: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 2: Idc : DC current (A) that will cause an approximate ΔT of 40°C

FHW-0650 Series

单位 Unit: mm



型号 Part No.	A MAX	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
0650	7.6	6.6±0.2	5.0	3.0±0.2	1.5±0.5	0.15	3.71	3.43	1.83
Part Number	L0 Inductance (μH) ±20%		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR mΩ TYPICAL 25 ° C		DCR mΩ MAX
FHW-0650-R33M-X	0.33		21.0		25.0		2.7		3.5
FHW-0650-R47M-X	0.47		20.0		24.0		3.1		4.0
FHW-0650-R56M-X	0.56		18.0		22.0		3.5		4.5
FHW-0650-R68M-X	0.68		16.0		18.0		4.0		5.0
FHW-0650-1R0M-X	1.0		14.0		18.0		5.5		7.0
FHW-0650-1R5M-X	1.5		12.0		15.5		6.0		7.5
FHW-0650-2R2M-X	2.2		10.0		14.0		11.5		15.0
FHW-0650-3R3M-X	3.3		8.5		12.0		20.0		22.0
FHW-0650-4R7M-X	4.7		7.0		10.0		23.0		25.0
FHW-0650-6R8M-X	6.8		6.0		9.0		36.5		41.0
FHW-0650-100M-X	10.0		4.5		6.5		48.0		55.0
FHW-0650-150M-X	15.0		3.5		5.0		65.0		70.0
FHW-0650-220M-X	22.0		2.0		4.0		75.0		85.0
FHW-0650-330M-X	33.0		1.5		3.0		140.0		170.0
FHW-0650-470M-X	47.0		1.5		2.5		170.0		210.0
FHW-0650-680M-X	68.0		1.2		2.0		350.0		400.0
FHW-0650-101M-X	100.0		1.0		2.0		480.0		550.0

***: you require another part number please contact with us.**

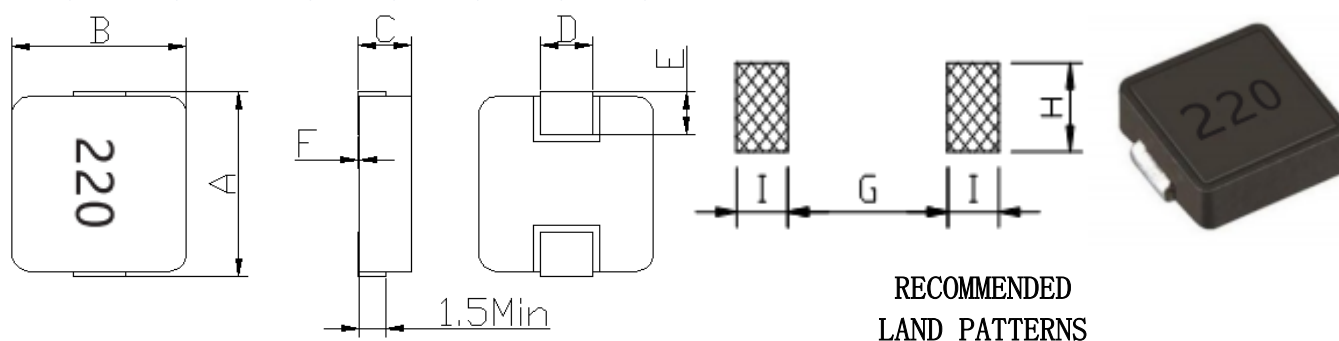
****: Inductance Tolerance ± 20%**

Note 1: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 2: Idc : DC current (A) that will cause an approximate ΔT of 40℃

FHW-0850 Series

单位 Unit: mm



型号 Part No.	A MAX	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
0850	8.0 ± 0.5	9.0 ± 0.5	5.0	3.0 ± 0.5	1.5 ± 0.5	0.15	4.40	3.50	2.50
Part Number	L0 Inductance (μ H) $\pm 20\%$		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR m Ω TYPICAL 25 ° C		DCR m Ω MAX
FHW-0850-4R7M-X	4.7		6.0		8.0		14.0		16.0
FHW-0850-6R8M-X	6.8		5.0		7.0		31.5		40.0
FHW-0850-100M-X	10.0		4.5		6.5		48.0		55.0
FHW-0850-150M-X	15.0		4.0		6.0		62.0		75.0
FHW-0850-220M-X	22.0		3.5		5.0		104.0		120.0
FHW-0850-330M-X	33.0		3.0		4.0		117.0		150.0
FHW-0850-470M-X	47.0		2.0		3.2		184.0		220.0
FHW-0850-560M-X	56.0		1.8		2.8		206.0		235.0
FHW-0850-680M-X	68.0		1.6		2.5		224.0		280.0

*: you require another part number please contact with us.

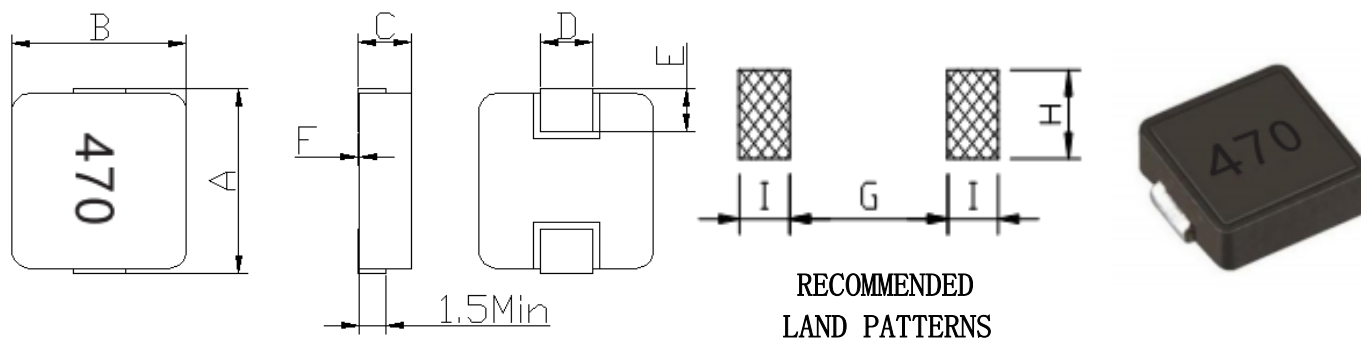
**: Inductance Tolerance $\pm 20\%$

Note 1: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 2: Idc : DC current (A) that will cause an approximate ΔT of 40°C

FHW-1040 Series

单位 Unit: mm



型号 Part No.	A MAX	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
1040	11.0±0.5	10.2±0.3	4.0	3.0±0.3	2.0±0.5	0.15	6.0	4.0	3.25
Part Number	L0 Inductance (μH) ±20%		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR mΩ TYPICAL 25 ° C		DCR mΩ MAX
FHW-1040-R22M-X	0.22		35.0		60.0		1.2		1.5
FHW-A1040-R36M-X	0.36		30.0		50.0		1.7		2.0
FHW-A1040-R47M-X	0.47		30.0		40.0		2.0		2.5
FHW-1040-R56M-X	0.56		25.0		33.0		2.1		2.5
FHW-1040-R68M-X	0.68		23.0		30.0		2.3		3.0
FHW-1040-1R0M-X	1.0		18.0		28.0		3.0		4.0
FHW-1040-1R5M-X	1.5		16.0		23.0		4.8		6.0
FHW-1040-2R2M-X	2.2		12.0		18.0		7.2		9.0
FHW-1040-3R3M-X	3.3		10.0		16.0		10.8		12.0
FHW-1040-4R7M-X	4.7		8.5		15.0		17.0		20.0
FHW-1040-5R6M-X	5.6		8.0		14.0		20.0		23.0
FHW-1040-6R8M-X	6.8		7.0		12.0		22.5		25.0
FHW-1040-8R2M-X	8.2		6.0		9.0		30.0		32.0
FHW-1040-100M-X	10.0		5.5		8.5		34.0		37.0
FHW-1045-150M-X	15.0		5.0		7.0		50.0		55.0
FHW-1045-220M-X	22.0		4.0		5.5		60.0		66.0
FHW-1045-470M-X	47.0		3.0		4.0		160.0		190.0

*: you require another part number please contact with us.

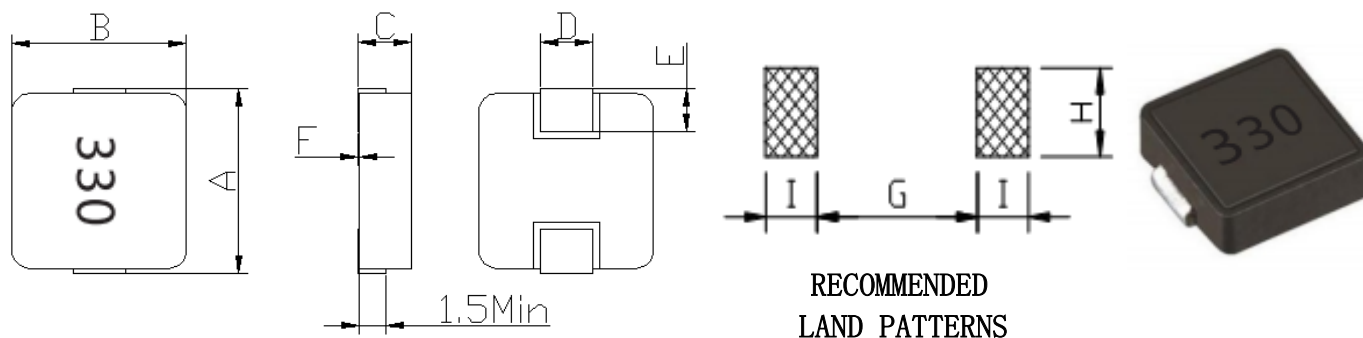
**: Inductance Tolerance ± 20%

Note 1: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 2: Idc : DC current (A) that will cause an approximate ΔT of 40°C

FHW-1050 Series

单位 Unit: mm



型号 Part No.	A MAX	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
1050	11.0±0.5	10.2±0.3	5.0	3.0±0.3	2.0±0.5	0.15	6.0	4.0	3.25
Part Number	L0 Inductance (μ H) $\pm 20\%$		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR m Ω TYPICAL 25 ° C		DCR m Ω MAX
FHW-1050-R82M-X	0.82		22.0		39.0		2.5		3.2
FHW-1050-1R0M-X	1.0		20.0		32.0		2.8		3.5
FHW-1050-1R2M-X	1.2		19.5		29.0		2.8		3.5
FDHW-1050-1R5M-X	1.5		15.0		27.5		3.9		4.8
FHW-1050-2R2M-X	2.2		12.0		21.5		6.5		8.2
FHW-1050-3R3M-X	3.3		10.0		18.6		9.2		10.8
FHW-1050-4R7M-X	4.7		9.5		16.5		12.4		15
FHW-1050-5R6M-X	5.6		8.5		15.0		18.9		20.0
FHW-1050-6R8M-X	6.8		8.0		14.0		20.6		24.0
FHW-1050-8R2M-X	8.2		7.0		12.5		27.4		30.0
FHW-1050-100M-X	10.0		6.8		11.5		30.2		35.0
FHW-1050-150M-X	15.0		5.0		9.0		48.0		52.8
FHW-1050-220M-X	22.0		4.5		8.0		50.0		58.0
FHW-1050-330M-X	33.0		3.5		6.5		89.0		105.0
FHW-1050-470M-X	47.0		3.0		5.0		110.0		130.0
FHW-1050-680M-X	68.0		2.0		3.0		171.0		190.0

*: you require another part number please contact with us.

**: Inductance Tolerance $\pm 20\%$

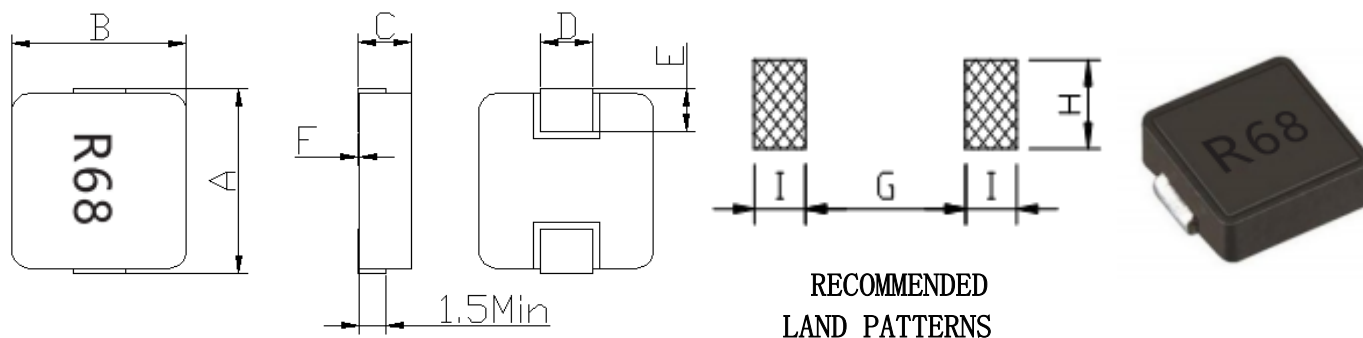
Note 1: All test data is referenced to 25°C ambient.

Note 2: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 3: Idc : DC current (A) that will cause an approximate ΔT of 40°C

FHW-1250 Series

单位 Unit: mm



型号 Part No.	A MAX	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
1250	13.2±1.0	12.8±0.5	5.0	3.8±0.2	2.5±0.5	0.15	8.0	4.5	3.25
Part Number	L0 Inductance (μ H) $\pm 20\%$		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR m Ω TYPICAL 25 ° C		DCR m Ω MAX
FHW-1250-R33M-X	0.33		41.0		50.0		0.77		1.1
FHW-1250-R47M-X	0.47		39.0		45.0		1.1		1.3
FHW-1250-R56M-X	0.56		36.0		40.0		1.2		1.5
FHW-1250-R68M-X	0.68		34.0		38.0		1.5		1.7
FHW-1250-R82M-X	0.82		26.0		35.0		1.8		2.1
FHW-1250-1R0M-X	1.0		23.0		32.0		2.1		2.5
FHW-1250-1R2M-X	1.2		20.0		30.0		2.6		3.0
FHW-1250-1R5M-X	1.5		18.0		27.0		3.4		4.1
FHW-1250-2R2M-X	2.2		16.0		25.0		4.6		5.5
FHW-1250-3R3M-X	3.3		15.0		24.0		7.7		9.2
FHW-1250-4R7M-X	4.7		11.0		21.0		12.8		15.0
FHW-1250-5R6M-X	5.6		9.5		18.0		14.3		16.4
FHW-1250-6R8M-X	6.8		8.5		15.0		15.4		18.5
FHW-1250-8R2M-X	8.2		8.0		13.0		18.9		24.0
FHW-1250-100M-X	10.0		7.5		12.5		20.0		25.5

***: you require another part number please contact with us.**

****: Inductance Tolerance $\pm 20\%$**

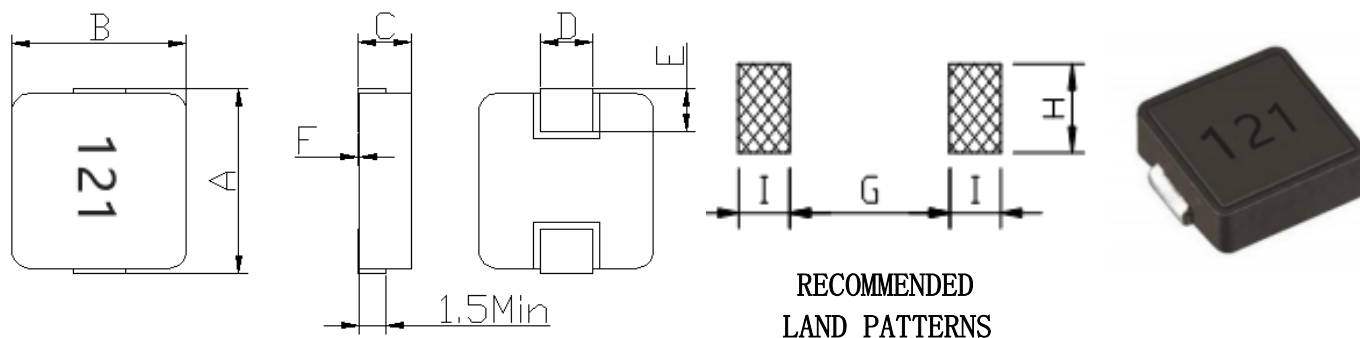
Note 1: All test data is referenced to 25°C ambient.

Note 2: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 3: Idc : DC current (A) that will cause an approximate ΔT of 40°C

FHW-1260/1265 Series

单位 Unit: mm



型号 Part No.	A MAX	B	C MAX	D	E	F TYP	G TYP	H TYP	I TYP
1260/1265	13.2±1.0	12.8±0.5	6.0/6.5	3.8±0.2	2.5±0.5	0.15	8.0	4.5	3.25
Part Number	L0 Inductance (μH) ±20%		Heat Rating Current DC Amps.IDC(A)		Saturation Current Part Number DC Amps. Isat (A)		DCR mΩ TYPICAL 25 ° C		DCR mΩ MAX
FHW-1260-4R7M-X	4.7		13.0		22.5		8.5		13.0
FHW-1260-5R6M-X	5.6		12.5		20.0		10.5		15.0
FHW-1260-6R8M-X	6.8		11.5		18.5		11.0		14.0
FHW-1260-8R2M-X	8.2		10		16.5		13.6		16.0
FHW-1260-100M-X	10.0		9.0		16.0		18.0		22.0
FHW-1260-150M-X	15.0		8.0		12.0		29.0		35.0
FHW-1260-220M-X	22.0		6.0		10.0		34.0		40.0
FHW-1260-330M-X	33.0		4.5		7.5		65.0		75.0
FHW-1260-470M-X	47.0		4.0		6.0		80.0		90.0
FHW-1260-680M-X	68.0		3.0		4.5		120.0		140.0
FHW-1265-101M-X	100.0		2.0		3.0		260.0		300.0
FHW-1265-121M-X	120.0		2.0		2.5		310.0		330.0
FHW-1265-151M-X	150.0		1.5		2.0		330.0		350.0

*: you require another part number please contact with us.

**: Inductance Tolerance ±20%

Note 1: All test data is referenced to 25°C ambient.

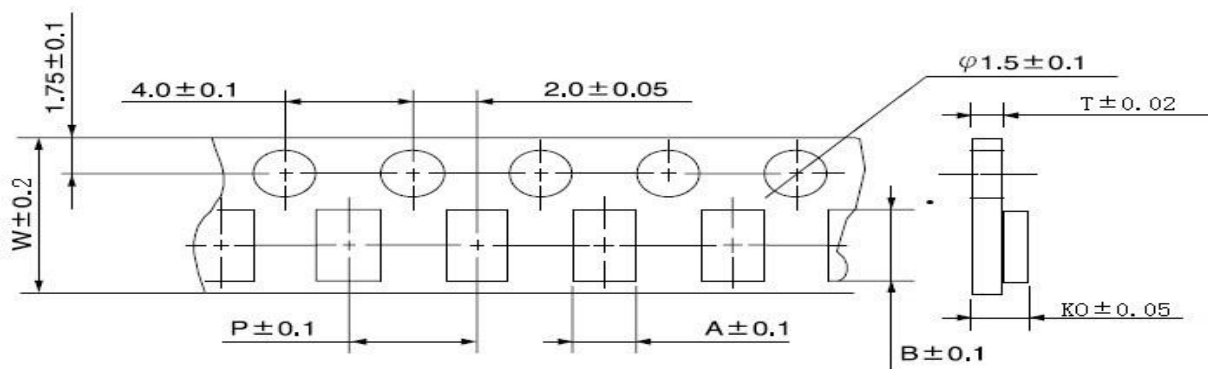
Note 2: Isat : DC current (A) that will cause Lo to drop approximately 30%

Note 3: Idc : DC current (A) that will cause an approximate ΔT of 40°C

● 包装数量 Packing quantity

Series	卷盘 REEL (PCS)		
0420	3000		
0520	3000		
0530	2000		
0620	2000		
0630	1000		
0640/0650	1000		
0850	1000		
1040/1045	800		
1050	500		
1240/1250	500		
1260/1265	500		

● 载带尺寸 Tape Dimension(单位: 毫米 Unit:mm



Series	A	B	K0	W	P	T
0420	5.1	4.5	2.3	12.0	8.0	0.35
0520	6.5	6.0	2.1	16.0	8.0	0.35
0530	6.5	6.0	3.2	16.0	12.0	0.35
0620	7.5	7.2	2.1	16.0	12.0	0.35
0630	7.5	7.2	3.2	16.0	12.0	0.35
0650	7.5	7.2	5.2	16.0	12.0	0.35
1040	11.8	11.6	4.2	24.0	16.0	0.35
1050	11.8	11.6	5.1	24.0	16.0	0.35
1250	13.5	14.5	5.3	32.0	16.0	0.4
1260	13.5	14.5	6.2	32.0	16.0	0.4
1265	13.5	14.5	7.1	32.0	16.0	0.4

● 焊接曲线 Soldering Profile

(1) 回流焊接曲线 Reflow Soldering Profile

(2) 烙铁焊接 Soldering Iron

使用烙铁进行返修时要求在 150℃ 下预热至少 1 分钟，不能直接用焊头接触磁体，返修焊接条件如下：

①烙铁头温度：350℃；②烙铁输出功率：≤30W；③烙铁头直径：≤1.0mm；④焊接时间：<3 秒

Reworking with Soldering Iron must preheating at 150℃ for 1 minute is required, and do not directly touch the core with the tip of the soldering iron. The reworking soldering conditions are as follows:

- ① Temperature of soldering iron tip: 350℃;
 - ② Soldering iron power output: 30W max.
 - ③ Diameter of soldering iron end: 1.0mm max.
- Soldering time: within 3 sec.



● 贮存方法 Storage Methods

(1) 存储期限 Storage Period

为保证端子电极的焊接特性和包装材料处于良好状态，请于本公司发货后 6 个月内使用本产品。同时，由于端子电极的焊接特性会随时间发生变化，如果贮存时间超过 6 个月，请首先确认其焊接特性后再安装使用。

To maintain the solderability of terminal electrodes and to keep the packing material in good condition, product should be used within 6 months from the time of delivery. And the solderability of products electrodes may decrease as time passes, so in case of storage over 6 months, solderability shall be checked before actual usage.

(2) 存储条件 Storage Conditions

- ① 存放货物的仓库应满足以下条件：

温度：-10 ~ +40℃ 相对湿度：30~70%RH

- ② 不要使产品遭受温度和湿度的快速变化。

③ 不要将产品存放在化学环境中，如硫酸气体或碱性气体中，否则会降低电极端子的焊接特性和使电感器腐蚀。

- ④ 不要以散包装的形式存放产品以防止电感器间的相互碰撞造成磁芯破裂或断线。

- ⑤ 为了避免受潮气、灰尘等物质的影响，产品应保管于货架上。

- ⑥ 产品应避免热冲击、振动以及直接光照等等。

- ① Store products in a warehouse in compliance with the following condition:

Temperature: -10 to +40℃ Humidity: 30~70%RH

- ② Do not subject products to rapid changes in temperature and humidity.

③ Do not store the products in chemical atmosphere such as one containing sulfurous acid gas or alkaline gas, that will causes poor solderability and corrosion of inductors.

④ Do not store products in bulk packaging to prevent collision among inductors which causes core chipping and wire breakage.

- ⑤ Store products on pallets to protect from humidity, dust, etc.

- ⑥ Avoid heat shock, vibration, direct sunlight, etc.

● 使用注意事项 Precautions For Use

(1) 本公司产品适用于 AV 设备、OA 设备、家电、信息服务等一般电子设备中。

(2) 当本公司的产品使用在一般电子设备以外的领域时，对于此所引发的设备失效我司将不承担任何法律责任。

(3) 本承认书只保证我司产品作为一个单体时的质量情况，当我司产品被安装到贵司产品上时，请贵司对使用在贵司电路上的产品情况进行了有效评价和确认。

(4) 不要对产品施加过大的振动或机械冲击；

(5) 为防止断线，请不要使用锋利的物体接触线圈，如镊子；

(6) 在产品贴装时不要使用过大的压力，避免磁芯断裂。

(1) Our products are designed and promoted for use in general electronic devices such as audio-equipment, office automation equipment, home electric appliance and information service.

(2) In case of using the product for the purpose other than general electronics devices, we shall not be held liable for any dysfunctions in or damage to the equipment with which the product is used.

(3) Our specification limits the quality of the component as a single unit. Please ensure the component is thoroughly evaluated in your application circuit.

(4) Do not apply excessive vibration or mechanical shock to products.

(5) Do not touch wire with sharp objects such as tweezers to prevent wire breakage.

(6) Do not apply excessive stress to products mounted on boards to prevent core breakage.