

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPC 系列****FEATURES**

- Magnetically shielded and molded type inductor, possible to decrease noise.
- Very high DC saturation current.
- Low core loss and very low DC resistance.
- Molded construction to be excellent identically performance and machnical strength.
- Suitable for wave soldering operations.

特 征

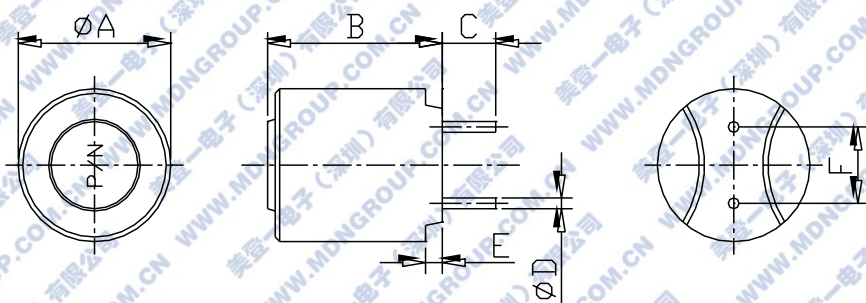
- 磁屏蔽一体成型电感，可有效防止噪音；
- 超高饱和电流；
- 低损耗及超低直流电阻。
- 一体成型结构具优秀一致性和机械强度。
- 适合波峰焊接作业。

APPLICATIONS

- Suitable as circuit for digital amp, Motherboard and display card for computer DC/DC converter, etc.

用 途

- 适用于数字功放电路，电脑主机板和显卡 DC/DC 转换等。

SHAPES AND DIMENSIONS (mm)

TYPE	A(±0.5)	B(Max)	C(±0.5)	D(±0.2)	E(Ref)	F(±0.5)
HPC1212-	12.0	10—15	3.5	0.7—1.1	0.7	7.0
HPC1313-	13.0	10—15	3.5	0.7—1.4	0.7	9.0
HPC1616-	16.0	12—18	3.5	0.7—1.4	0.7	12.0
HPC1818-	18.0	15—22	3.5	1.0—1.6	0.7	13.0
HPC2222-	22.0	15—22	3.5	1.0—1.6	0.7	16.0

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPC 系列****HPC1212-SERIES**

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
4R7M	4.7	4	6	-	14	20
100M	10	13	16	-	11	16
150M	15	15	20	-	9	14
220M	22	25	30	-	6	11
330M	33	40	49	-	4	9
470M	47	52	63	-	3	7
101M	10	96	121	-	2	4

HPC1313-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
100M	10	10.5	15	-	13	20
150M	15	13	17	-	11	18
220M	22	17	23	-	9	15
330M	33	27	35	-	8	12
470M	47	42	51	-	5	8
680M	68	55	68	-	3.5	5

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPC 系列****HPC1616-SERIES**

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
100M	10	11	15	-	20	32
220M	22	16	20	-	16	26
330M	33	22	30	-	9	16
470M	47	34	45	-	8	14
680M	68	49	60	-	6	10
101M	100	67	85	-	4	8

HPC1818-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
5R6M	5.6	2.5	5	-	27	45
150M	15	9.6	13	-	20	30
220M	22	10	14	-	18	28
330M	33	11	16	-	15	26
390M	39	16	21	-	13	24
550M	55	22	30	-	10	18
101M	100	56	78	-	7	11
121M	120	65	85	-	6	10
151M	150	77	100	-	5	9
221M	220	94	120	-	4.5	7

HPC2222-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
100M	10	6.5	9	-	20	50
220M	22	12	16	-	16	31
550M	55	26	34	-	10	21

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPE 系列****FEATURES**

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- Molded construction to be excellent identically performance and machnical strength.
- Suitable for wave soldering operations.

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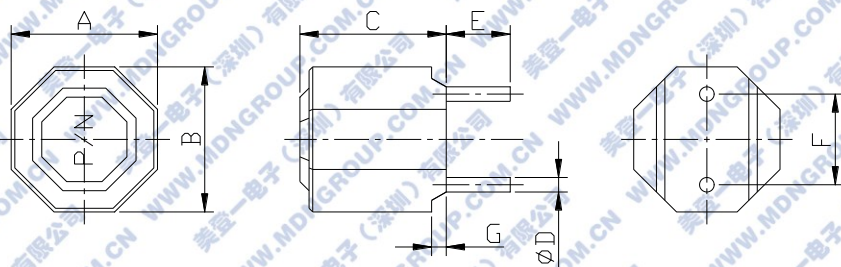
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用 途

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SHAPES AND DIMENSIONS (mm)

TYPE	A(±0.5)	B(±0.5)	C(Max)	D(±0.2)	E(±0.5)	F(±0.5)	G(Ref)
HPE0808-	8.0	8.0	6—10	0.5—0.8	3.5	5.0	0.7
HPE1010-	10.0	10.0	8—14	0.5—1.0	3.5	6.0	0.7
HPE1111-	11.0	11.0	9—16	0.5—1.2	3.5	7.5	0.7
HPE1212-	12.0	12.0	9—16	0.5—1.2	3.5	9.0	0.7
HPE1414-	14.0	14.0	9—16	0.5—1.2	3.5	10.0	0.7

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPE 系列****HPE0808-SERIES**

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
2R2M	2.2	8.5	12	-	12	22
4R7M	4.7	11.5	15	-	10	18
6R8M	6.8	16	24	-	5.5	10
150M	15	64	75	-	5.0	8
220M	22	41	56	-	3.5	6
330M	33	67	85	-	3.0	5

HPE1010-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
1R1M	1.1	1.6	2	-	20	30
2R2M	2.2	5	7	-	14	24
3R3M	3.3	9	12	-	12	22
100M	10	19	25	-	6	10
150M	15	28	34	-	5	8
180M	18	30	40	-	4.5	7
220M	22	36	45	-	4	6
330M	33	56	66	-	3.5	5.5

HPE1111-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
1R0M	1.0	1.6	2.0	-	25	35
2R9M	2.9	4.0	5.0	-	15	25
4R7M	4.7	5.8	7.5	-	13	20
100M	10	12	15	-	10	15
150M	15	15	20	-	8	11
220M	22	21	28	-	7	10
330M	33	36	48	-	5	9
470M	47	50	62	-	4	7

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPE 系列****HPE1212-SERIES**

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
1R0M	1.0	1.3	1.7	-	35	45
1R5M	1.5	1.5	2.0	-	32	40
2R2M	2.2	3.4	4.5	-	14	25
2R9M	2.9	3.7	5.0	-	12	22
4R7M	4.7	5.3	7.0	-	10	18
8R0M	8.0	8.8	11	-	8	17
100M	10	9.5	13	-	8	15
140M	14	15	19	-	7.5	13
150M	15	18	21	-	7.5	12
220M	22	24	30	-	6	10
330M	33	36	48	-	5	8
470M	47	42	55	-	5	7
500M	50	50	66	-	5	7
680M	68	68	88	-	4	6

HPE1414-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
100M	10	13.4	17	-	12	22
180M	18	15.2	21	-	10	19
220M	22	20.5	25	-	9	18
330M	33	25.3	30	-	8	15
680M	68	60	75	-	5	8
101M	100	72	94	-	4	8
201M	200	150	186	-	2.5	5

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPF 系列****FEATURES**

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- Suitable for wave soldering operations.

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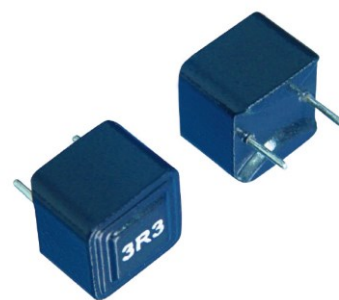
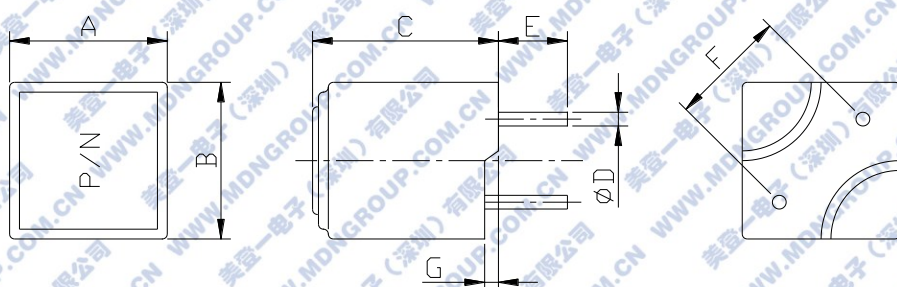
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SHAPES AND DIMENSIONS (mm)

TYPE	A(±0.5)	B(±0.5)	C(Max)	D(±0.2)	E(±0.5)	F(±0.5)	G(Ref)
HPF0808-	8.0	8.0	6—10	0.7—1.0	3.5	6.0	0.7
HPF0909-	9.0	9.0	6—10	0.7—1.2	3.5	7.0	0.7
HPF1010-	10.0	10.0	6—10	0.7—1.4	3.5	7.5	0.7
HPF1111-	11.0	11.0	6—10	0.7—1.5	3.5	8.5	0.7
HPF1312-	12.0	13.0	6—10	0.7—1.7	3.5	10.0	0.7

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPF 系列****HPF0808-SERIES**

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
R56M	0.56	1.4	1.9	-	20	28
1R0M	1.0	1.7	2.1	-	16	22
1R2M	1.2	2.1	2.5	-	14	17
1R8M	1.8	3.2	4.0	-	8	16
2R2M	2.2	4.5	6.2	-	6	14
4R7M	4.7	15	20	-	2.5	8

HPF0909-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
R33M	0.33	0.65	0.75	-	40	50
R47M	0.47	0.90	1.1	-	35	45
R60M	0.60	1.0	1.2	-	30	42
1R0M	1.0	1.55	2.0	-	27	35
1R5M	1.5	2.8	3.4	-	15	20
2R2M	2.2	4.5	6.2	-	10	15
3R3M	3.3	8.9	12	-	6	10
4R7M	4.7	13.0	17	-	5	9

HPF1010-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
R36M	0.36	0.63	0.9	-	35	50
R40M	0.40	0.65	1.0	-	35	50
R60M	0.60	0.88	1.2	-	33	48
R80M	0.80	1.05	1.3	-	30	35
1R0M	1.0	1.1	1.4	-	25	35
2R2M	2.2	2.6	3.1	-	18	25
3R3M	3.3	4.3	5.5	-	18	28
4R7M	4.7	6.6	9.0	-	10	15
100M	10	14.5	19	-	8	13

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPF 系列****HPF1111-SERIES**

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
R25M	0.25	0.39	0.80	-	45	58
R33M	0.33	0.70	0.80	-	40	55
R36M	0.36	0.70	0.80	-	40	55
R40M	0.40	0.75	0.90	-	35	50
R47M	0.47	0.80	1.0	-	35	50
R50M	0.50	0.90	1.1	-	35	50
R56M	0.56	0.90	1.1	-	35	45
R60M	0.60	0.90	1.1	-	35	45
R68M	0.68	1.0	1.3	-	33	45
R80M	0.80	1.3	1.6	-	33	40
1R0M	1.0	1.4	2.0	-	21	40
1R5M	1.5	2.2	3.0	-	18	32
2R0M	2.0	3.5	4.0	-	18	30
2R2M	2.2	3.8	5.0	-	15	30

HPF1312-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
R22M	0.22	0.40	0.55	-	45	60
R33M	0.33	0.55	0.70	-	42	60
R39M	0.39	0.55	0.70	-	42	60
R47M	0.47	0.70	0.90	-	40	60
R50M	0.50	0.70	0.90	-	40	60
R56M	0.56	0.70	0.90	-	40	60
R60M	0.60	0.70	0.90	-	40	60
R68M	0.68	0.70	0.90	-	38	55
R80M	0.80	0.80	1.10	-	35	50
1R0M	1.0	1.2	1.35	-	30	50
1R2M	1.2	1.2	1.50	-	30	40
1R5M	1.5	1.3	1.70	-	30	40
2R2M	2.2	2.0	3.00	-	20	32

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPQ 系列****FEATURES**

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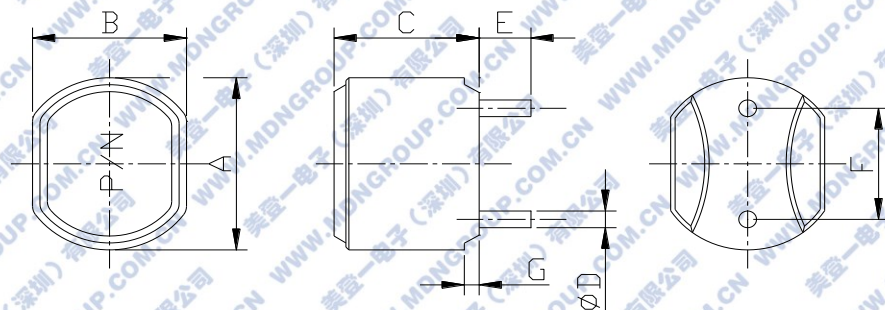
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TYPE	A(±0.5)	B(±0.5)	C(Max)	D(±0.2)	E(±0.5)	F(±0.5)	G(Ref.)
HPQ0807-	8.0	7.0	6—10	0.5—1.0	3.5	5.0	0.7
HPQ1009-	10.0	9.0	6—10	0.5—1.2	3.5	6.5	0.7
HPQ1210-	12.0	10.0	8—16	0.7—1.5	3.5	6.5	0.7
HPQ1312-	13.0	12.0	9—18	0.7—1.7	3.5	7.5—10	0.7

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPQ 系列****HPQ0807-SERIES**

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
1R0M	1.00	3.8	5.0	-	12	21
2R0M	2.00	6.6	10	-	11	18
2R8M	2.80	8.5	12	-	9	12

HPQ1009-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
R15M	0.15	0.45	0.60	-	40	60
R33M	0.33	0.65	0.75	-	35	50
R47M	0.47	0.90	1.10	-	30	45
R68M	0.68	1.20	1.50	-	28	40
1R0M	1.00	1.60	2.20	-	24	36
1R5M	1.50	2.70	3.00	-	21	30
2R2M	2.20	4.50	6.20	-	14	20
3R3M	3.30	8.90	12.0	-	12	12
4R7M	4.70	11.0	13.0	-	9	14
100M	10.0	18.0	23.0	-	5	7

DIP MOLDING POWER INDUCTORS 一体成型插件功率电感**HPQ 系列****HPQ1210-SERIES**

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
R36M	0.36	0.70	0.80	-	40	55
R47M	0.47	0.90	1.0	-	38	50
R56M	0.56	0.90	1.0	-	35	45
R68M	0.68	0.90	1.0	-	30	42
R80M	0.80	1.30	1.6	-	25	40
1R0M	1.00	1.40	1.8	-	20	35
1R5M	1.50	2.20	2.5	-	18	28
2R2M	2.20	4.50	5.5	-	14	22
100M	10.0	13.5	19.5	-	6	10
220M	22.0	35.0	50.0	-	5	9
470M	47.0	60.0	75.0	-	3	6
101M	100	130	157	-	2	5

HPQ1312-SERIES

P/N	L(uH) Inductance	DCR(m Ω) DC Resistance		D (mm)	Irms(A) Temperature rise current	Isat(A) Inductance decrease current
	$\pm 20\%$	Typ	Max	± 0.2	Max	Max
R22M	0.22	0.40	0.55	-	45	60
R47M	0.47	0.70	0.80	-	40	60
R56M	0.56	0.70	0.80	-	40	60
1R0M	1.00	1.2	1.35	-	30	50
3R3M	3.30	4.3	8.0	-	16	30
6R8M	6.80	6.2	10	-	14	20
100M	10.0	8.5	12	-	10	13
150M	15.0	14	20	-	9	12
220M	22.0	17	22	-	8	11
470M	47.0	35	46	-	5	8
820M	82.0	80	103	-	4	6