



## ■ 一体成型电感器



### ● 产品介绍

国磁电感 GCHR/GCHR 一体成型电感器，还有大电流电感，压模电感，模压电感，SMT 大电流电感等名称，有些做主板的厂商习惯叫铁素体电感。一体成型电感(模压电感)包括座体和绕组本体，所述座体系将绕组本体埋入金属磁性粉末内部压铸而成，SMD 引脚为绕组本体的引出脚直接成形于座体表面，有较传统电感更高的电感和更小的漏电感；

- SMD 表面贴片式电感
- 一体成型结构可避免发生噪音
- 同尺寸直流阻抗最低
- 可确保耐电流电感值降幅平顺。
- 应用频率可达 5MHz
- 适用于回流焊 SMT 工艺。
- 产品无铅, 符合 RoHS 指令。
- 适用于电源供应器、个人电脑和其它掌上型电子设备中电源线路上直流对直流整流的应用。

国磁电感GCHR/GCHR一体成型电感器，符合 RoHS 标准，无铅焊接技术及 100% 无铅，并提供更有竞争力的价格和快速交货服务。若需特殊规格型式，请与国磁业务联系。

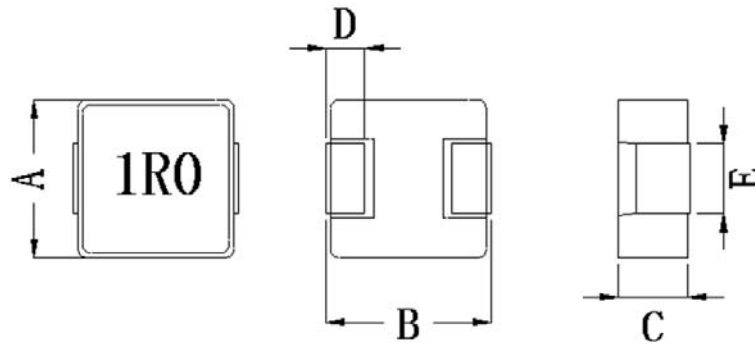




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# GCHR一体成型电感器目录

## GCHR/GCHR一体成型电感器 图示和尺寸：（单位mm）



P/N	A	B	C	D	E
GCHR0402	4.06±0.3	4.45±0.3	2.0MAX	0.76±0.3	2.0±0.2
GCHR0520	5.18±0.3	5.49±0.4	2.0MAX	1.2±0.3	2.3±0.2
GCHR0530	5.18±0.3	5.49±0.4	3.0MAX	1.2±0.3	2.3±0.2
GCHR0612	6.6±0.2	7.4MAX	1.2MAX	1.5±0.5	3.0±0.2
GCHR0618	6.6±0.2	7.4MAX	1.8MAX	1.5±0.5	3.0±0.2
GCHR0624	6.6±0.2	7.4MAX	2.4MAX	1.5±0.5	3.0±0.2
GCHR0630	6.6±0.2	7.4MAX	3.0MAX	1.5±0.5	3.0±0.2
GCHR0640	6.6±0.2	7.4MAX	4.0MAX	1.5±0.5	3.0±0.2
GCHR0650	6.6±0.2	7.3MAX	5.0MAX	1.5±0.5	3.0±0.2
GCHR1040	10.3±0.2	10.5±1.0	4.0MAX	2.0±0.5	3.0±0.3
GCHR1050	10.3±0.2	10.5±1.0	5.0MAX	2.0±0.5	3.0±0.3
GCHR1250	12.8±0.5	13.2±1.0	5.0MAX	2.5±0.5	3.8±0.2
GCHR1260	12.8±0.5	13.2±1.0	6.0MAX	2.5±0.5	3.8±0.2
GCHR1270	12.8±0.5	13.2±1.0	7.0MAX	2.5±0.5	3.8±0.2
GCHR1770	17.5±0.5	17.15MAX	7.0MAX	2.50.5	11.94±0.3





# GCHR一体成型电感器目录

## GCHR/GCHR一体成型电感器 料号标识

GCHR	-	0420	-	4R7	M		
①		②		③	④		
类型		尺寸规格		电感量	误差值		
GCHR 一体成型电感		宽度及高度标识, 宽度 4.06±0.3mm, 高度 2.0mm MAX		R10	0.10μH	J	5%
				1R0	1.00μH	K	10%
				100	10.00μH	M	20%
				101	100.00μH		
				102	1000.00μH		

## GCHR0420 一体成型电感器 电气特性参数

品号	电感量 (uH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR0420-R10	0.1	12.0	22.0	3.5	4.0
GCHR0420-R22	0.22	9.0	12.5	6.0	6.6
GCHR0420-R47	0.47	7.0	10.0	21.0	25.0
GCHR0420-R56	0.56	6.5	9.5	23.0	27.0
GCHR0420-R68	0.68	5.2	8.0	27.0	29
GCHR0420-1R0	1.0	4.5	7.0	28.0	30.0
GCHR0420-1R2	1.2	4.5	7.0	28.0	30.0
GCHR0420-1R5	1.5	4.0	6.0	38.0	46.0
GCHR0420-2R2	2.2	3.0	5.0	52.0	58
GCHR0420-3R3	3.3	2.5	4.0	74.0	87.0
GCHR0420-4R7	4.7	2.2	3.0	104.0	115.0

\*: Inductance Tolerance ± 20% at condition of 100KHz and 1.0V<sub>rms</sub>.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate ΔT of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note 4: Operating temperature range -55°C - +125°C.





# GCHR一体成型电感器目录

## GCHR0520 一体成型电感器 电气特性参数

品号	电感量 (uH)	Irms(A)	Lsat(A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR0520-R10M	0.1	21.0	25.0	2.7	2.9
GCHR0520-R22M	0.22	13.0	17.0	4.1	4.5
GCHR0520-R33M	0.33	7.5	13.0	5.5	5.9
GCHR0520-R47M	0.47	8.0	12.5	7.1	7.7
GCHR0520-1R0M	1.0	7.0	7.5	16.8	18.1
GCHR0520-2R2M	2.2	5.0	5.5	34.9	37.7
GCHR0520-3R3M	3.3	4.1	4.7	58.5	68.0
GCHR0520-4R7M	4.7	3.0	3.2	75.3	81.3
GCHR0520-5R6M	5.6	2.2	3.0	85.2	92
GCHR0520-6R8M	6.8	2.1	2.8	114.0	121.0
GCHR0520-100M	10.0	2.0	2.2	200.0	220.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: Irms : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: Isat : DC current (A) that will cause inductance value to drop approximately 30% from initial value( $L_0$ )

Note:4:Operating temperature range -55°C - +125°C.

## GCHR0530 一体成型电感器 电气特性参数

品号	电感量 (uH)	Irms(A)	Lsat(A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR0530-R68M	0.68	8.5	14.0	11.0	12.0
GCHR0530-1R0M	1.0	7.0	11.0	13.0	14.0
GCHR0530-1R2M	1.2	6.5	11.0	15.0	16.0
GCHR0530-1R5M	1.5	6.0	10.0	20.0	25.0
GCHR0530-2R2M	2.2	5.5	9.0	29.0	35.0
GCHR0530-3R3M	3.3	5.0	7.0	32.0	38.0
GCHR0530-4R7M	4.7	3.0	5.0	50.0	60.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: Irms : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: Isat : DC current (A) that will cause inductance value to drop approximately 30% from initial value( $L_0$ )

Note:4:Operating temperature range -55°C - +125°C.





# GCHR一体成型电感器目录

## GCHR0612 一体成型电感器 电气特性参数

品号	电感量 (uH)	I <sub>rms</sub> (A)	L <sub>sat</sub> (A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR0612-R56M	0.56	7.0	11.0	13.5	15.5
GCHR0612-R68M	0.68	6.5	9.0	30.0	33.5
GCHR0612-R82M	0.82	6.0	8.0	32.0	35.0
GCHR0612-1R0M	1.0	6.0	7.0	32.0	35.0
GCHR0612-2R2M	2.2	3.5	5.0	64.0	67.0
GCHR0612-3R3M	3.3	3.0	4.0	80.0	92.0
GCHR0612-4R7M	4.7	2.5	3.5	120.0	130.0
GCHR0612-100M	10.0	2.0	2.2	250.0	290.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0V<sub>rms</sub>.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note:4:Operating temperature range -55°C - +125°C.

## GCHR0618 一体成型电感器 电气特性参数

品号	电感量 (uH)	I <sub>rms</sub> (A)	L <sub>sat</sub> (A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR0618-R10M	0.1	16.0	30.0	2.0	2.5
GCHR0618-R33M	0.33	10.0	20.0	5.2	6.8
GCHR0618-R47M	0.47	9.0	15.0	7.3	8.4
GCHR0618-R68M	0.68	7.5	14.0	10.8	12.7
GCHR0618-1R0M	1.0	6.5	10.0	23.0	27.0
GCHR0618-2R2M	2.2	5.0	8.0	44.0	48.0
GCHR0618-3R3M	3.3	3.5	7.5	76.0	80.0
GCHR0618-4R7M	4.7	2.5	4.0	95.0	103.0
GCHR0618-6R8M	6.8	1.8	3.0	120.0	130.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0V<sub>rms</sub>.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note:4:Operating temperature range -55°C - +125°C.





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## GCHR0624 一体成型电感器 电气特性参数

品号	电感量 (uH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR0624-R47M	0.47	14.0	19.0	5.3	6.5
GCHR0624-R68M	0.68	11.5	18.0	7.9	9.4
GCHR0624-R82M	0.82	10.5	16.0	9.6	11.8
GCHR0624-1R0M	1.0	10.0	15.0	12.5	14.2
GCHR0624-1R5M	1.5	8.0	13.0	17.6	21.2
GCHR0624-2R2M	2.2	7.0	12.0	28.0	34.0
GCHR0624-3R3M	3.3	5.5	9.0	45.0	51.6
GCHR0624-4R7M	4.7	5.0	7.5	57.0	63.0
GCHR0624-6R8M	6.8	4.0	6.0	83.0	95.0
GCHR0624-8R2M	8.2	3.5	5.0	94.0	106.0
GCHR0624-100M	10.0	3.1	4.0	108.0	129.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0V<sub>rms</sub>.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note:4:Operating temperature range -55°C - +125°C.





# GCHR一体成型电感器目录

## GCHR0630 一体成型电感器 电气特性参数

品号	电感量 (uH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR0630-R10M	0.1	28.0	40	1.8	2.2
GCHR0630-R20M	0.2	24.0	34.0	2.4	3.0
GCHR0630-R33M	0.33	21.0	25.0	3.0	3.5
GCHR0630-R47M	0.47	18.0	20.0	3.4	4.1
GCHR0630-R68M	0.68	16.0	17.0	4.8	5.3
GCHR0630-R82M	0.82	14.0	16.0	5.4	6.0
GCHR0630-1R0M	1.0	12.0	15.0	8.4	9.2
GCHR0630-1R5M	1.5	10.0	14.0	10.6	12.1
GCHR0630-2R2M	2.2	8.0	10.0	13.5	15.0
GCHR0630-3R3M	3.3	6.5	9.5	18.0	22.0
GCHR0630-4R7M	4.7	5.5	6.5	28.0	38.0
GCHR0630-5R6M	5.6	5.5	6.0	39.0	46.0
GCHR0630-6R8M	6.8	4.5	6.0	43.9	50.0
GCHR0630-8R2M	8.2	4.0	6.0	54.0	60.0
GCHR0630-100M	10.0	3.5	5.5	62.0	68.0
GCHR0630-150M	15.0	3.0	4.0	90.0	95.0
GCHR0630-220M	22.0	2.5	3.0	125.0	135.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0V<sub>rms</sub>.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note:4:Operating temperature range -55°C - +125°C.





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# GCHR一体成型电感器目录

## GCHR0640 一体成型电感器 电气特性参数

品号	电感量 (uH)	Irms(A)	Isat(A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR0640-R47M	0.47	20	22.0	3.2	3.6
GCHR0640-R68M	0.68	18.0	20.0	4.3	5.0
GCHR0640-R82M	0.82	16.0	18.0	6.4	7.0
GCHR0640-1R0M	1.0	13.0	17.0	7.2	8.4
GCHR0640-1R5M	1.5	11.0	15.0	8.3	9.7
GCHR0640-2R2M	2.2	9.0	12.0	13.0	17.0
GCHR0640-3R3M	3.3	8.0	11.0	19.1	25.0
GCHR0640-4R7M	4.7	6.5	9.0	27.5	35.0
GCHR0640-6R8M	6.8	5.5	8.0	36.0	45.0
GCHR0640-8R2M	8.2	5.0	7.0	44.0	50.0
GCHR0640-100M	10.0	4.0	6.0	50.0	58.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note:4: Operating temperature range -55°C - +125°C.







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# GCHR一体成型电感器目录

## GCHR0650 一体成型电感器 电气特性参数

品号	电感量 (uH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR0650-R13M	0.13	42.0	48.0	1.0	1.4
GCHR0650-R22M	0.22	30.0	35.0	1.6	2.2
GCHR0650-R36M	0.36	21.0	25.0	2.7	3.1
GCHR0650-R47M	0.47	20.0	24.0	3.1	3.5
GCHR0650-R56M	0.56	18	22.0	3.4	3.6
GCHR0650-R68M	0.68	16.0	18.0	3.9	4.2
GCHR0650-R82M	0.82	16.5	19.5	4.6	4.9
GCHR0650-1R0M	1.0	14.0	18.0	5.6	6.5
GCHR0650-1R5M	1.5	12.0	15.5	6.0	7.5
GCHR0650-2R2M	2.2	10.0	14.0	11.2	12.5
GCHR0650-3R3M	3.3	8.5	12.0	19.9	20.9
GCHR0650-4R7M	4.7	7.0	10.0	23.0	25.0
GCHR0650-6R8M	6.8	6.0	9.0	36.5	41.0
GCHR0650-8R2M	8.2	5.5	7.5	40.0	43.0
GCHR0650-100M	10.0	4.5	6.5	48.0	55.0
GCHR0650-330M	33.0	3.0	4.0	150.0	180.0
GCHR0650-470M	47.0	2.2	3.5	200.0	230.0
GCHR0650-560M	56.0	1.8	3.0	245.0	280.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note:4:Operating temperature range -55°C - +125°C.





# GCHR一体成型电感器目录

## GCHR1040 一体成型电感器 电气特性参数

品号	电感量 (uH)	Irms(A)	Lsat(A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR1040-R22M	0.22	35.0	60.0	1.2	1.5
GCHR1040-R36M	0.36	30.0	50.0	1.7	1.9
GCHR1040-R47M	0.47	30.0	40.0	1.9	2.2
GCHR1040-R56M	0.56	25.0	33.0	2.1	2.4
GCHR1040-R68M	0.68	23.0	30.0	2.3	3.0
GCHR1040-R82M	0.82	20.0	29.0	3.1	3.5
GCHR1040-1R0M	1.0	18.0	28.0	3.0	4.0
GCHR1040-1R5M	1.5	16.0	23.0	4.8	5.4
GCHR1040-2R2M	2.2	12.0	18.0	7.2	9.0
GCHR1040-3R3M	3.3	10.0	16.0	10.8	11.8
GCHR1040-4R7M	4.7	8.5	15.0	17.0	20.0
GCHR1040-5R6M	5.6	8.0	14.0	20.0	23.0
GCHR1040-6R8M	6.8	7.0	12.0	22.5	25.0
GCHR1040-8R2M	8.2	6.0	9.0	30.0	32.0
GCHR1040-100M	10.0	5.5	8.5	34.0	37.0
GCHR1045-150M	15.0	5.0	7.0	50.0	55.0
GCHR1045-220M	22.0	4.0	5.5	60.0	66.0
GCHR1045-101M	100.0	1.2	2.5	268.0	290.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note:4:Operating temperature range -55°C - +125°C.





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## GCHR1050 一体成型电感器 电气特性参数

品号	电感量 (uH)	Irms(A)	Lsat(A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR1050-R82M	0.82	22.0	39.0	2.5	3.2
GCHR1050-1R0M	1.0	20	32.0	2.8	3.5
GCHR1050-1R2M	1.2	19.5	29.0	2.8	3.5
GCHR1050-1R5M	1.5	15.0	27.5	3.9	4.8
GCHR1050-2R2M	2.2	12.0	21.5	6.5	8.2
GCHR1050-3R3M	3.3	10.0	18.6	9.2	10.8
GCHR1050-4R7M	4.7	9.5	16.5	12.4	15.0
GCHR1050-5R6M	5.6	8.5	15.0	18.9	20.0
GCHR1050-6R8M	6.8	8.0	14.0	20.6	24.0
GCHR1050-8R2M	8.2	7.0	12.5	27.4	30.0
GCHR1050-100M	10.0	6.8	11.5	30.2	35.0
GCHR1050-150M	15.0	5.0	9.0	48.0	52.8
GCHR1050-220M	22.0	4.5	8.0	50.0	58.0
GCHR1050-330M	33.0	3.5	6.5	89.0	105.0
GCHR1050-470M	47.0	3.0	5.0	110.0	130.0
GCHR1050-680M	68.0	2.0	3.0	171.0	190.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: Irms : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: Isat : DC current (A) that will cause inductance value to drop approximately 30% from initial value( $L_0$ )

Note:4: Operating temperature range -55°C - +125°C.





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# GCHR一体成型电感器目录

## GCHR1250 一体成型电感器 电气特性参数

品号	电感量 (uH)	Irms(A)	Lsat(A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR1250-R36M	0.36	41.0	50.0	0.77	1.1
GCHR1250-R47M	0.47	39.0	45.0	1.1	1.3
GCHR1250-R56M	0.56	36.0	40.0	1.2	1.5
GCHR1250-R68M	0.68	34.0	38.0	1.5	1.7
GCHR1250-R82M	0.82	26.0	35.0	1.8	2.1
GCHR1250-1R0M	1.0	23.0	32.0	2.1	2.5
GCHR1250-1R2M	1.2	20.0	30.0	2.6	3.0
GCHR1250-1R5M	1.5	18.0	27.0	3.4	4.1
GCHR1250-2R2M	2.2	16.0	25.0	4.6	5.5
GCHR1250-3R3M	3.3	15.0	24.0	7.7	9.2
GCHR1250-4R7M	4.7	11.0	21.0	12.8	15.0
GCHR1250-5R6M	5.6	9.5	18.0	14.3	16.4
GCHR1250-6R8M	6.8	8.5	15.0	15.4	18.5
GCHR1250-8R2M	8.2	8.0	13.0	18.9	24.0
GCHR1250-100M	10.0	7.5	12.5	20.0	25.5

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note 4: Operating temperature range -55°C - +125°C.





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# GCHR一体成型电感器目录

## GCHR1260 一体成型电感器 电气特性参数

品号	电感量 (uH)	I <sub>rms</sub> (A)	L <sub>sat</sub> (A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR1260-4R7M	4.7	13.0	22.5	8.5	13.0
GCHR1260-5R6M	5.6	12.5	20.0	10.5	15.0
GCHR1260-6R8M	6.8	11.5	18.5	11.0	14.0
GCHR1260-8R2M	8.2	10.0	16.5	13.6	16.0
GCHR1265-100M	10.0	9.0	16.0	18.0	20.7
GCHR1265-150M	15.0	8.0	12.0	29.0	34.0
GCHR1265-220M	22.0	6.0	10.0	34.0	39.5
GCHR1265-330M	33.0	4.5	7.5	65.0	75.0
GCHR1265-470M	47.0	4.0	6.0	80.0	90.0
GCHR1265-680M	68.0	3.0	4.5	120.0	140.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: I<sub>rms</sub> : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: I<sub>sat</sub> : DC current (A) that will cause inductance value to drop approximately 30% from initial value(L<sub>0</sub>)

Note:4:Operating temperature range -55°C - +125°C.





# GCHR一体成型电感器目录

## GCHR1270 一体成型电感器 电气特性参数

品号	电感量 (uH)	Irms(A)	Lsat(A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR1270-820M	82.0	2.0	5.0	104.0	125.0
GCHR1270-101M	100.0	1.8	3.5	111.5	140.0
GCHR1270-221M	220.0	1.2	2.5	365.0	380.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: Irms : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: Isat : DC current (A) that will cause inductance value to drop approximately 30% from initial value( $L_0$ )

Note 4: Operating temperature range -55°C - +125°C.

## GCHR1770 一体成型电感器 电气特性参数

品号	电感量 (uH)	Irms(A)	Lsat(A)	DCR mOHM TYPICAL	直流电阻 (mOHM)MAX
GCHR1770-1R5M	1.5	40.0	40.0	1.85	2.15
GCHR1770-2R2M	2.2	34.0	37.0	2.15	2.5
GCHR1770-4R7M	4.7	24.0	27.0	4.12	4.7
GCHR1770-6R8M	6.8	20.0	22.0	6.55	7.55
GCHR1770-8R2M	8.2	16.0	20.0	8.1	8.7
GCHR1770-100M	10.0	14.0	18.0	9.3	10.0
GCHR1770-150M	15.0	12.0	13.0	14.5	15.5
GCHR1770-220M	22.0	9.5	11.0	20.5	23.0
GCHR1770-330M	33.0	9.0	10.0	35.1	37.0
GCHR1770-470M	47.0	6.8	7.5	41.0	47.0
GCHR1770-680M	68.0	5.2	6.5	74.0	85.0

\*: Inductance Tolerance  $\pm 20\%$  at condition of 100KHz and 1.0Vrms.

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

Note 2: Irms : DC current (A) that will cause an approximate  $\Delta T$  of 40°C

Note 3: Isat : DC current (A) that will cause inductance value to drop approximately 30% from initial value( $L_0$ )

Note 4: Operating temperature range -55°C - +125°C.

