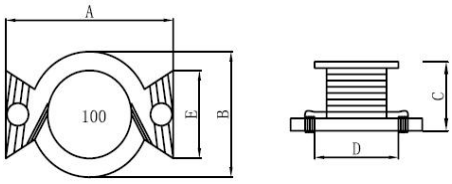
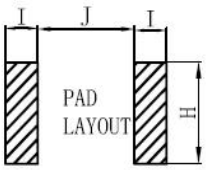
GBH Series

Dimensions and Land Patterns.（UNIT: mm）



TYPE	A max	B max	C max	D	E
GBH1608	7.50	5.20	3.20	4.60	2.5
GBH1813	8.89	6.40	5.00	5.80	3.0
GBH3316	13.21	9.91	6.35	9.50	4.5
GBH4920	19.40	13.30	6.80	12.7	6.6
GBH5022	22.35	16.26	8.00	16.0	8.0

	H	I	J
GBH1608	4.00	2.0	4.00
GBH1813	3.00	2.0	5.00
GBH3316	6.50	2.5	8.64
GBH4920	8.00	3.8	11.70
GBH5022	8.64	4.3	14.35



Features：

Miniature surface mount design
High power, High saturation inductors
Very low resistance
Maximum power density
Ideal inductors for DC-DC converters
Available on tape and reel for reel for auto surface mounting

Applications：

Notebook Computers
Handheld Communications
LCD Televisions
Power Supply For VTRs
DC/DC Converters, etc.

Operating temperature: –40°C to +125 °C

Part Numbering

GBH 1813 M T 100

- 100: Inductance Value :100:10uH
- T: Packaging Code: Taping Reel
- M: Inductance Tolerance: N:±30% M: ±20%
- 1813: Dimensions: 1608 1813 3316 4920 5022
- GBH: Product Type

Electrical characteristics List

GBH1608 Series

PART No.	L (uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GBH1608NTR47	0.47	N	100KHZ/0.25V	0.025	7.7
GBH1608MT1R0	1.0	M	100KHZ/0.25V	0.050	2.9
GBH1608MT1R5	1.5	M	100KHZ/0.25V	0.050	2.6
GBH1608MT2R2	2.2	M	100KHZ/0.25V	0.070	2.3
GBH1608MT3R3	3.3	M	100KHZ/0.25V	0.080	2.0
GBH1608MT4R7	4.7	M	100KHZ/0.25V	0.090	1.5
GBH1608MT6R8	6.8	M	100KHZ/0.25V	0.130	1.2
GBH1608MT100	10	M	100KHZ/0.25V	0.160	1.1
GBH1608MT150	15	M	100KHZ/0.25V	0.230	0.9
GBH1608MT220	22	M	100KHZ/0.25V	0.370	0.7

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Electrical characteristics List

GBH1813 Series

PART No.	L (uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GBH1813MTR56	0.56	M	100KHZ/0.25V	0.010	7.7
GBH1813MT2R2	2.2	M	100KHZ/0.25V	0.035	3.5
GBH1813MT3R3	3.3	M	100KHZ/0.25V	0.040	3.0
GBH1813MT4R7	4.7	M	100KHZ/0.25V	0.054	2.6
GBH1813MT6R8	6.8	M	100KHZ/0.25V	0.080	2.2
GBH1813MT100	10	M	100KHZ/0.25V	0.111	1.9
GBH1813MT150	15	M	100KHZ/0.25V	0.170	1.5
GBH1813MT220	22	M	100KHZ/0.25V	0.250	1.2
GBH1813MT330	33	M	100KHZ/0.25V	0.350	0.99
GBH1813MT470	47	M	100KHZ/0.25V	0.470	0.87
GBH1813MT680	68	M	100KHZ/0.25V	0.730	0.68
GBH1813MT101	100	M	100KHZ/0.25V	1.110	0.53

GBH3316 Series

PART No.	L (uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GBH3316NTR47	0.47	N	100KHZ/0.25V	0.005	11.4
GBH3316MT1R0	1.0	M	100KHZ/0.25V	0.006	9.9
GBH3316MT1R5	1.5	M	100KHZ/0.25V	0.008	7.9
GBH3316MT2R2	2.2	M	100KHZ/0.25V	0.011	6.1
GBH3316MT3R3	3.3	M	100KHZ/0.25V	0.014	5.1
GBH3316MT4R7	4.7	M	100KHZ/0.25V	0.018	4.2
GBH3316MT6R8	6.8	M	100KHZ/0.25V	0.027	3.6
GBH3316MT100	10	M	100KHZ/0.25V	0.038	3.3
GBH3316MT150	15	M	100KHZ/0.25V	0.045	2.4
GBH3316MT220	22	M	100KHZ/0.25V	0.070	2.0
GBH3316MT330	33	M	100KHZ/0.25V	0.100	1.7
GBH3316MT470	47	M	100KHZ/0.25V	0.150	1.4
GBH3316MT680	68	M	100KHZ/0.25V	0.220	1.2
GBH3316MT101	100	M	100KHZ/0.25V	0.280	0.95

GBH4920 Series

PART No.	L (uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GBH4920NTR47	0.47	N	100KHZ/0.25V	0.003	25.1
GBH4920MT1R0	1.0	M	100KHZ/0.25V	0.004	15.3
GBH4920MT1R5	1.5	M	100KHZ/0.25V	0.006	12.0
GBH4920MT2R2	2.2	M	100KHZ/0.25V	0.008	10.2
GBH4920MT3R3	3.3	M	100KHZ/0.25V	0.009	9.30
GBH4920MT4R7	4.7	M	100KHZ/0.25V	0.012	7.70
GBH4920MT6R8	6.8	M	100KHZ/0.25V	0.019	6.20
GBH4920MT100	10	M	100KHZ/0.25V	0.027	5.20
GBH4920MT150	15	M	100KHZ/0.25V	0.032	4.30
GBH4920MT220	22	M	100KHZ/0.25V	0.050	3.70
GBH4920MT330	33	M	100KHZ/0.25V	0.069	3.00
GBH4920MT470	47	M	100KHZ/0.25V	0.109	2.40
GBH4920MT680	68	M	100KHZ/0.25V	0.156	2.00
GBH4920MT101	100	M	100KHZ/0.25V	0.206	1.80

Electrical characteristics List
GBH5022 Series

PART No.	L (uH)	Tolerance	Test Condition	DCR (Ω)MAX	IDC (A)
GBH5022MTR78	0.78	M	100KHZ/0.25V	0.003	30
GBH5022MT1R5	1.5	M	100KHZ/0.25V	0.004	25
GBH5022MT2R2	2.2	M	100KHZ/0.25V	0.006	20
GBH5022MT3R3	3.3	M	100KHZ/0.25V	0.009	17
GBH5022MT3R9	3.9	M	100KHZ/0.25V	0.010	15
GBH5022MT4R7	4.7	M	100KHZ/0.25V	0.014	13
GBH5022MT6R0	6.0	M	100KHZ/0.25V	0.017	12
GBH5022MT7R8	7.8	M	100KHZ/0.25V	0.018	11
GBH5022MT100	10	M	100KHZ/0.25V	0.026	10
GBH5022MT150	15	M	100KHZ/0.25V	0.032	8.0
GBH5022MT220	22	M	100KHZ/0.25V	0.043	7.0
GBH5022MT330	33	M	100KHZ/0.25V	0.066	6.0
GBH5022MT470	47	M	100KHZ/0.25V	0.096	5.0
GBH5022MT680	68	M	100KHZ/0.25V	0.115	4.0
GBH5022MT101	100	M	100KHZ/0.25V	0.165	3.0
GBH5022MT221	220	M	100KHZ/0.25V	0.396	4.0
GBH5022MT331	330	M	100KHZ/0.25V	0.588	1.0
GBH5022MT471	470	M	100KHZ/0.25V	0.950	0.8
GBH5022MT681	680	M	100KHZ/0.25V	1.200	0.5
GBH5022MT102	1000	M	100KHZ/0.25V	1.600	0.4