



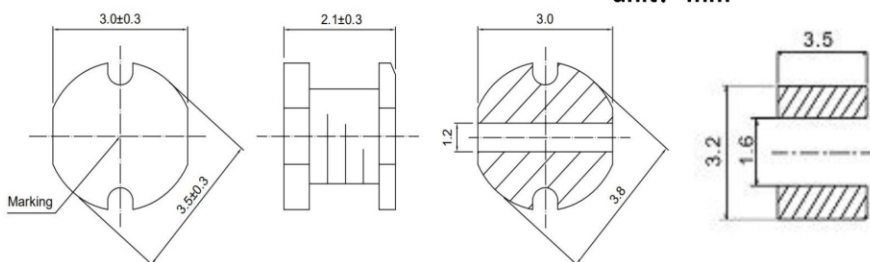
GCD32 Series (UNSHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



GCD32



Recommended Patterns
unit: mm

ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance (μ H)	DCR(Max) (m Ω)	Test Freq. (KHz)	Saturation Current(A)	Temperature Rise Current(A)
GCD32-1R0N	1R0	1.0	45	100	4.00	3.40
GCD32-1R5N	1R5	1.5	55	100	3.30	3.20
GCD32-2R2M	2R2	2.2	76	100	2.50	2.40
GCD32-3R3M	3R3	3.3	120	100	2.10	2.00
GCD32-4R7M	4R7	4.7	170	100	1.70	1.60
GCD32-6R8M	6R8	6.8	200	100	1.50	1.40
GCD32-100M	100	10	320	100	1.15	1.10
GCD32-220M	220	22	660	100	0.85	0.80
GCD32-330M	330	33	920	100	0.70	0.65
GCD32-470M	470	47	1270	100	0.55	0.50
GCD32-680M	680	68	2000	100	0.45	0.40
GCD32-101K	101	100	2850	100	0.38	0.33
GCD32-121K	121	120	3400	100	0.36	0.31
GCD32-151K	151	150	4470	100	0.33	0.30
GCD32-221K	221	220	7310	100	0.25	0.25

- Tolerance :N=±30%;M=±20%;L=±15%;K=10%.
- Saturation Current:The value of D.C. current when the inductance becomes 35% lower than its nominal value.
- Temperature Rise Current:The current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$.
- The electrical characteristic data is only reference, and the actual data is based on the sample.
- All test data is referenced to 20°C ambient.
- Storage Temperature Range: -40°C to $+85^{\circ}\text{C}$.

SHENZHEN GLORIOUS ELECTRONIC CO., LTD.

Tel: 86-0755-27815501 E-mail: stanley.wu@glecorp.com <http://www.glecorp.com/>



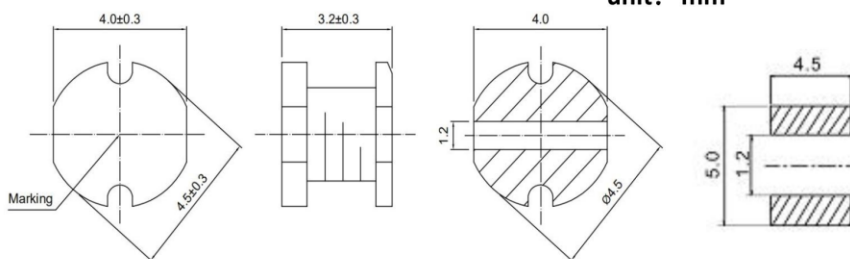
GCD43 Series (UNSHIELDED)

SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



GCD43



ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance (μ H)	DCR(Max) (m Ω)	Test Freq. (KHz)	Saturation Current(A)	Temperature Rise Current(A)
GCD43-1R5N	1R5	1.5	28	100	4.00	2.50
GCD43-2R2M	2R2	2.2	36	100	3.30	2.40
GCD43-3R3M	3R3	3.3	48	100	2.70	2.00
GCD43-4R7M	4R7	4.7	69	100	2.40	1.62
GCD43-100M	100	10	172	100	1.50	1.04
GCD43-150M	150	15	200	100	1.25	0.85
GCD43-180M	180	18	274	100	1.10	0.74
GCD43-220M	220	22	312	100	1.00	0.68
GCD43-330M	330	33	494	100	0.75	0.56
GCD43-470M	470	47	734	100	0.65	0.44
GCD43-680M	680	68	806	100	0.55	0.37
GCD43-101K	101	100	1365	100	0.45	0.30
GCD43-181K	181	180	2145	100	0.38	0.20
GCD43-221K	221	220	2340	100	0.35	0.18
GCD43-331K	331	330	4550	100	0.25	0.16
GCD43-471K	471	470	5850	100	0.21	0.15

- Tolerance :N=±30%;M=±20%;L=±15%;K=10%.
- Saturation Current:The value of D.C. current when the inductance becomes 35% lower than its nominal value.
- Temperature Rise Current:The current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$.
- The electrical characteristic data is only reference, and the actual data is based on the sample.
- All test data is referenced to 20°C ambient.
- Storage Temperature Range: -40°C to $+85^{\circ}\text{C}$.

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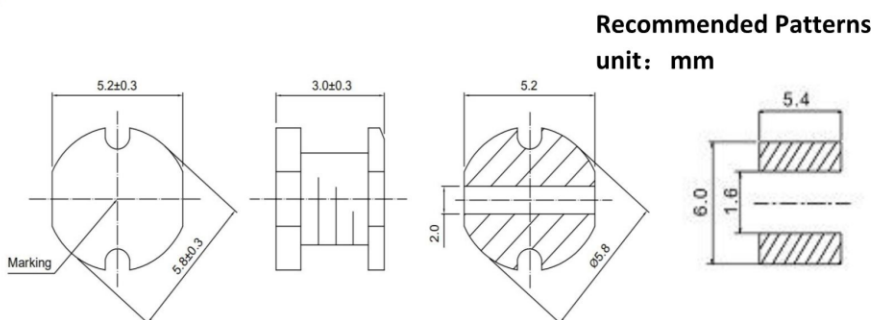
GCD53 Series (UNSHIELDED)

SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



GCD53



ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance (μ H)	DCR(Max) (m Ω)	Test Freq. (KHz)	Saturation Current(A)	Temperature Rise Current(A)
GCD53-1R5N	1R5	1.5	30	100	4.10	3.70
GCD53-2R2M	2R2	2.2	30	100	3.50	3.30
GCD53-3R3M	3R3	3.3	50	100	2.80	2.70
GCD53-4R7M	4R7	4.7	70	100	2.50	2.40
GCD53-5R6M	5R6	6.2	80	100	2.40	2.30
GCD53-6R8M	6R8	6.8	90	100	2.20	2.10
GCD53-8R2M	8R2	8.2	100	100	2.00	1.90
GCD53-100M	100	10	130	100	1.80	1.44
GCD53-150M	150	15	190	100	1.70	1.30
GCD53-220M	220	22	280	100	1.50	1.11
GCD53-330M	330	33	380	100	1.10	0.88
GCD53-470M	470	47	430	100	0.90	0.72
GCD53-101K	101	100	1100	100	0.60	0.52
GCD53-221K	221	220	2000	100	0.38	0.35
GCD53-331K	331	330	3300	100	0.28	0.28
GCD53-102K	102	1000	8000	100	0.13	0.13

- Tolerance :N=±30%;M=±20%;L=±15%;K=10%.
- Saturation Current:The value of D.C. current when the inductance becomes 35% lower than its nominal value.
- Temperature Rise Current:The current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$.
- The electrical characteristic data is only reference, and the actual data is based on the sample.
- All test data is referenced to 20°C ambient.
- Storage Temperature Range: -40°C to $+85^{\circ}\text{C}$.

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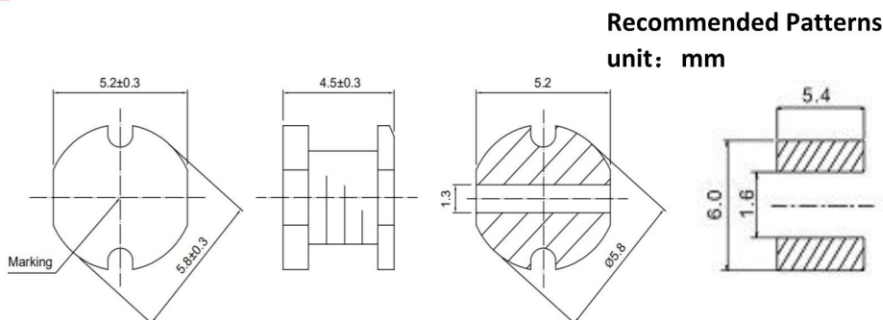
GCD54 Series (UNSHIELDED)

SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



GCD54



ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance (μ H)	DCR(Max) (m Ω)	Test Freq. (KHz)	Saturation Current(A)	Temperature Rise Current(A)
GCD54-1R5N	1R5	1.5	18	100	7.00	6.50
GCD54-2R2M	2R2	2.2	24	100	6.50	6.00
GCD54-3R3M	3R3	3.3	34	100	5.00	4.50
GCD54-4R7M	4R7	4.7	46	100	3.90	3.60
GCD54-5R6M	5R6	6.2	56	100	3.80	3.30
GCD54-6R8M	6R8	6.8	60	100	3.60	3.20
GCD54-8R2M	8R2	8.2	60	100	3.20	3.00
GCD54-100M	100	10	100	100	2.70	2.50
GCD54-150M	150	15	140	100	1.80	1.70
GCD54-220M	220	22	180	100	1.50	1.40
GCD54-330M	330	33	230	100	1.30	1.20
GCD54-470M	470	47	370	100	1.00	0.90
GCD54-101K	101	100	700	100	0.75	0.60
GCD54-221K	221	220	1570	100	0.50	0.45
GCD54-331K	331	330	1820	100	0.45	0.42
GCD54-102K	102	1000	5740	100	0.23	0.16

- Tolerance :N=±30%;M=±20%;L=±15%;K=10%.
- Saturation Current:The value of D.C. current when the inductance becomes 35% lower than its nominal value.
- Temperature Rise Current:The current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$.
- The electrical characteristic data is only reference, and the actual data is based on the sample.
- All test data is referenced to 20°C ambient.
- Storage Temperature Range: -40°C to $+85^{\circ}\text{C}$.

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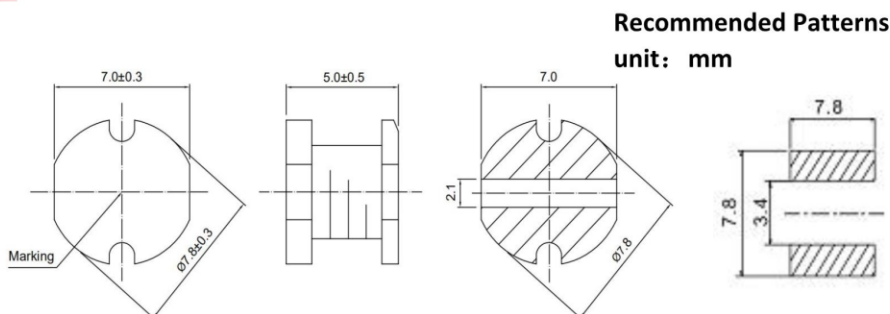
GCD75 Series (UNSHIELDED)

SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



GCD75



ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance (μ H)	DCR(Max) (m Ω)	Test Freq. (KHz)	Saturation Current(A)	Temperature Rise Current(A)
GCD75-2R2M	2R2	2.2	23	100	8.00	6.00
GCD75-3R3M	3R3	3.3	28	100	6.00	5.00
GCD75-4R7M	4R7	4.7	45	100	5.20	4.50
GCD75-5R6M	5R6	5.6	48	100	5.00	3.80
GCD75-6R8M	6R8	6.8	58	100	4.20	3.50
GCD75-8R2M	8R2	8.2	70	100	3.90	3.00
GCD75-100M	100	10	70	100	3.80	2.80
GCD75-150M	150	15	90	100	3.00	2.70
GCD75-220M	220	22	110	100	2.50	2.30
GCD75-270M	270	27	120	100	2.30	2.00
GCD75-330M	330	33	130	100	2.10	1.80
GCD75-470M	470	47	180	100	1.90	1.50
GCD75-680M	680	68	280	100	1.50	1.30
GCD75-101K	101	100	430	100	1.20	1.00
GCD75-221K	221	220	960	100	0.80	0.70
GCD75-331K	331	330	1210	100	0.70	0.50
GCD75-471K	471	470	1960	100	0.50	0.40
GCD75-102K	102	1000	4200	100	0.30	0.28

- Tolerance :N=±30%;M=±20%;L=±15%;K=10%.
- Saturation Current:The value of D.C. current when the inductance becomes 35% lower than its nominal value.
- Temperature Rise Current:The current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$.
- The electrical characteristic data is only reference, and the actual data is based on the sample.
- All test data is referenced to 20°C ambient.
- Storage Temperature Range:- 40°C to $+85^{\circ}\text{C}$.

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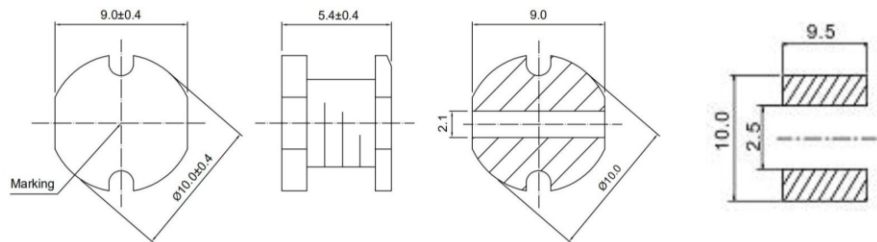
GCD105 Series (UNSHIELDED)

■ SMD Wire Wound Power Inductors

MECHANICAL DIMENSIONS



GCD105



ELECTRICAL SPECIFICATION

Part Number	Marking	Inductance (μ H)	DCR(Max) (m Ω)	Test Freq. (KHz)	Saturation Current(A)	Temperature Rise Current(A)
GCD105-2R2M	2R2	2.2	19	100	8.00	6.80
GCD105-3R3M	3R3	3.3	25	100	7.00	3.05
GCD105-4R7M	4R7	4.7	30	100	7.00	2.90
GCD105-6R8M	6R8	6.8	45	100	6.00	2.75
GCD105-100M	100	10	60	100	4.20	2.60
GCD105-150M	150	15	80	100	4.00	2.27
GCD105-220M	220	22	100	100	3.90	1.95
GCD105-330M	330	33	120	100	2.50	1.50
GCD105-470M	470	47	170	100	2.20	1.28
GCD105-680M	680	68	220	100	1.20	1.11
GCD105-101K	101	100	350	100	1.00	0.97
GCD105-151K	151	150	470	100	0.90	0.78
GCD105-221K	221	220	730	100	0.80	0.66
GCD105-331K	331	330	1150	100	0.70	0.52
GCD105-471K	471	470	1480	100	0.65	0.42
GCD105-681K	681	680	2250	100	0.60	0.28
GCD105-821K	821	820	2550	100	0.55	0.24
GCD105-102K	102	1000	3490	100	0.50	0.20

- Tolerance :N=±30%;M=±20%;L=±15%;K=10%.
- Saturation Current:The value of D.C. current when the inductance becomes 35% lower than its nominal value.
- Temperature Rise Current:The current when temperature of coil becomes $\Delta T=40^{\circ}\text{C}$.
- The electrical characteristic data is only reference, and the actual data is based on the sample.
- All test data is referenced to 20°C ambient.
- Storage Temperature Range:- 40°C to $+85^{\circ}\text{C}$.

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