

Sealed Power Inductors

GL SERIES

PRODUCT CATALOG



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Sealed Power Inductors

◎ Product introduction 產品介紹

- Excellent solderability and heat resistance for either flow or reflow soldering

良好的可焊性和耐焊性

- Shielded with magnetic resin

磁性樹脂屏蔽結構

- Various package size and wide inductance range

尺寸多樣、感值範圍寬泛

- For RoHS instructions corresponding products

為RoHS指令對應產品



◎ Product application 產品應用

- AP Routers , STBS, LCD TVs, Monitors and panels, Game Consoles, DC/DC Converters

路由器、機頂盒、液晶電器、顯示器和面板、測試機、直流轉換器

◎ Product Identification 產品標識

GL 252010 6R8 M T

GL-----Series name 系列名稱

252010-----Dimension 產品尺寸

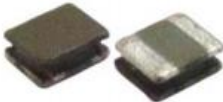
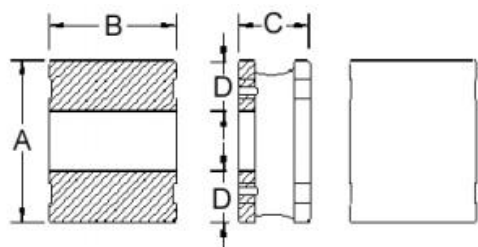

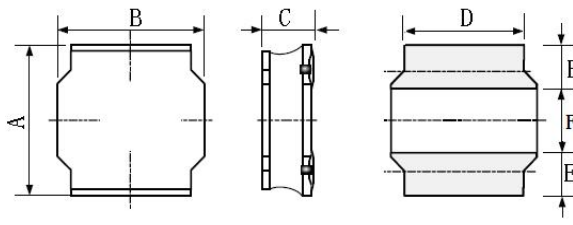


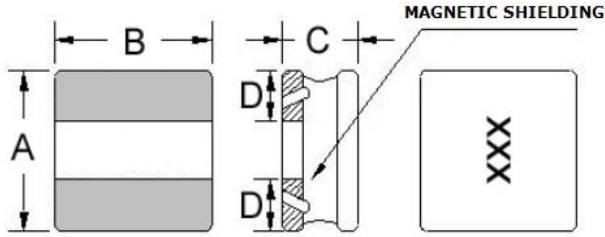


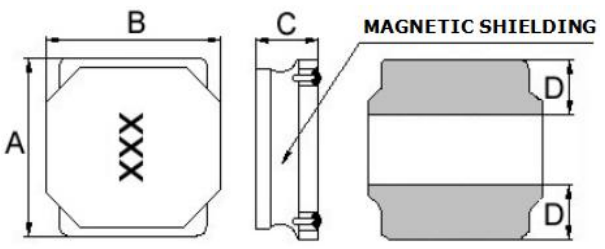
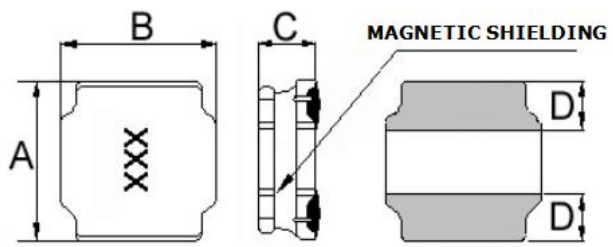
6R8-----Inductance 電感值【6R8=6.8 μ H】

M-----Tolerance 公差【J=5% , K=10% , M= 20% ,T= 30%】

T-----Taping 編帶盤裝

Sealed Power Inductors

◎Shape&Dimensions 形狀與尺寸:

Model	Shape	Dimensions	Recommended Pattern
252010 252012			
303010 303012 303015			
404012			
404018 404030			
505020 505040 606020 606028 808040			

Sealed Power Inductors

◎Shape&Dimensions 形狀與尺寸:

UNIT:mm

MODEL	DIMENSIONS				RECOMMENDED PATTEERN		
	A	B	C	D	A typ.	B typ.	C typ.
252010	2.5±0.2	2.0±0.2	1.0MAX	0.8±0.2	2.2	0.85	0.8
252012	2.5±0.2	2.0±0.2	1.2MAX	0.8±0.2	2.2	0.85	0.8
303010	3.0±0.2	3.0±0.2	1.0MAX	2.5±0.2	3.2	1.1	1.0
303012	3.0±0.2	3.0±0.2	1.2MAX	2.5±0.2	3.2	1.1	1
303015	3.0±0.2	3.0±0.2	1.5MAX	2.5±0.2	3.2	1.1	1.0
404012	4.0±0.2	4.0±0.2	1.2±0.35	1.0±0.35	4.2	1.5	1.2
404018	4.0±0.2	4.0±0.2	1.8±0.35	0.95±0.3	3.7	1.5	1.2
404030	4.0±0.2	4.0±0.2	3.0±0.35	0.95±0.3	3.7	1.6	1.2
505020	5.0±0.2	5.0±0.2	2.0±0.35	1.25±0.3	4.0	1.5	2.2
505040	5.0±0.2	5.0±0.2	4.0±0.35	1.25±0.3	4.2	1.6	2
606020	6.0±0.3	6.0±0.3	2.0±0.35	1.6±0.35	5.7	1.7	2.8
606028	6.0±0.3	6.0±0.3	2.8±0.35	1.6±0.35	5.7	1.8	2.6
606045	6.0±0.3	6.0±0.3	4.5±0.35	1.6±0.35	5.7	2	2.4
808040	8.0±0.3	8.0±0.3	4.0±0.35	2.1±0.35	7.5	2.5	3.4

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詳細規格及參數介紹

ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL252010-1R0	1.0 $\pm 30\%$	100	0.108	1.65	1.85
GL252010-1R5	1.5 $\pm 30\%$	79	0.182	1.30	1.80
GL252010-2R2	2.2 $\pm 30\%$	61	0.209	1.20	1.20
GL252010-3R3	3.3 $\pm 20\%$	48	0.328	0.90	1.05
GL252010-4R7	4.7 $\pm 20\%$	40	0.563	0.70	0.95
GL252010-6R8	6.8 $\pm 20\%$	32	0.898	0.59	0.78
GL252010-100	10 $\pm 20\%$	26	1.092	0.50	0.65

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL252012-1R0	1.0 $\pm 30\%$	110	0.083	1.93	2.59
GL252012-1R5	1.5 $\pm 20\%$	97	0.136	1.40	2.24
GL252012-2R2	2.2 $\pm 20\%$	69	0.199	1.15	1.85
GL252012-3R3	3.3 $\pm 20\%$	62	0.244	1.04	1.61
GL252012-4R7	4.7 $\pm 20\%$	47	0.348	0.84	1.12
GL252012-5R6	5.6 $\pm 20\%$	38	0.497	0.73	1.11
GL252012-6R8	6.8 $\pm 20\%$	38	0.536	0.69	0.98
GL252012-100	10 $\pm 20\%$	34	0.637	0.62	0.79
GL252012-220	22 $\pm 20\%$	20	1.824	0.38	0.53

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL303010-1R0	1.0 $\pm 30\%$	180	0.065	1.45	1.40
GL303010-1R5	1.5 $\pm 30\%$	120	0.080	1.30	1.27
GL303010-2R2	2.2 $\pm 30\%$	100	0.110	1.09	1.15
GL303010-3R3	3.3 $\pm 20\%$	74	0.145	0.96	0.97
GL303010-4R7	4.7 $\pm 20\%$	59	0.225	0.77	0.75
GL303010-6R8	6.8 $\pm 20\%$	42	0.305	0.66	0.55
GL303010-100	10 $\pm 20\%$	39	0.400	0.58	0.55
GL303010-220	22 $\pm 20\%$	28	0.930	0.38	0.35
GL303010-470	47 $\pm 20\%$	18	1.950	0.26	0.22

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL303012-1R0	1.0 $\pm 30\%$	120	0.040	2.20	1.87
GL303012-1R5	1.5 $\pm 30\%$	110	0.045	2.01	1.62
GL303012-2R2	2.2 $\pm 30\%$	84	0.075	1.55	1.20
GL303012-3R3	3.3 $\pm 20\%$	64	0.100	1.36	1.05
GL303012-4R7	4.7 $\pm 20\%$	61	0.120	1.24	1.00
GL303012-6R8	6.8 $\pm 20\%$	61	0.190	0.98	0.75
GL303012-100	10 $\pm 20\%$	42	0.265	0.83	0.60
GL303012-220	22 $\pm 20\%$	23	0.645	0.53	0.42

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL303015-1R0	1.0 $\pm 30\%$	150	0.030	2.35	2.32
GL303015-1R5	1.5 $\pm 30\%$	100	0.050	1.70	2.30
GL303015-2R2	2.2 $\pm 30\%$	86	0.060	1.70	1.75
GL303015-3R3	3.3 $\pm 20\%$	68	0.080	1.36	1.32
GL303015-4R7	4.7 $\pm 20\%$	46	0.125	1.09	1.10
GL303015-6R8	6.8 $\pm 20\%$	39	0.200	0.85	0.85
GL303015-100	10 $\pm 20\%$	41	0.250	0.77	0.72
GL303015-220	22 $\pm 20\%$	23	0.460	0.57	0.52
GL303015-330	33 $\pm 20\%$	20	0.820	0.43	0.44
GL303015-560	56 $\pm 20\%$	13	1.280	0.34	0.33
GL303015-680	68 $\pm 20\%$	11	2.700	0.23	0.28

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL404012-1R0	1.0 $\pm 30\%$	116	0.056	1.90	2.00
GL404012-1R5	1.5 $\pm 30\%$	94	0.070	1.70	1.68
GL404012-2R2	2.2 $\pm 20\%$	73	0.085	1.50	1.20
GL404012-3R3	3.3 $\pm 30\%$	58	0.100	1.40	1.10
GL404012-4R7	4.7 $\pm 20\%$	47	0.140	1.20	0.95
GL404012-6R8	5.6 $\pm 20\%$	38	0.200	1.00	0.80
GL404012-100	10 $\pm 20\%$	31	0.300	0.75	0.62
GL404012-150	15 $\pm 20\%$	24	0.430	0.60	0.54
GL404012-220	22 $\pm 20\%$	19	0.570	0.50	0.45
GL404012-330	33 $\pm 20\%$	17	0.810	0.42	0.42
GL404012-390	39 $\pm 20\%$	16	1.100	0.37	0.55
GL404012-470	47 $\pm 20\%$	12	1.100	0.37	0.35

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL404018-1R0	1.0 $\pm 30\%$	80	0.025	2.00	4.80
GL404018-1R5	1.5 $\pm 30\%$	65	0.030	1.80	3.35
GL404018-2R2	2.2 $\pm 20\%$	52	0.045	1.65	2.70
GL404018-3R3	3.3 $\pm 20\%$	44	0.070	1.23	2.45
GL404018-4R7	4.7 $\pm 20\%$	34	0.090	1.20	1.70
GL404018-6R8	6.8 $\pm 20\%$	29	0.110	1.06	1.45
GL404018-100	10 $\pm 20\%$	24	0.180	0.84	1.30
GL404018-150	15 $\pm 20\%$	19	0.250	0.65	0.94
GL404018-220	22 $\pm 20\%$	16	0.360	0.59	0.80
GL404018-330	33 $\pm 20\%$	12	0.530	0.49	0.56
GL404018-470	47 $\pm 20\%$	10	0.650	0.42	0.57
GL404018-680	68 $\pm 20\%$	8.3	1.000	0.32	0.47
GL404018-101	100 $\pm 20\%$	6.5	1.750	0.25	0.40
GL404018-151	150 $\pm 20\%$	5.5	2.500	0.22	0.31
GL404018-221	220 $\pm 20\%$	4	4.000	0.17	0.27

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL404030-1R2	1.2 $\pm 30\%$	80	0.015	3.82	5.80
GL404030-1R5	1.5 $\pm 30\%$	62	0.020	3.34	4.84
GL404030-2R2	2.2 $\pm 30\%$	52	0.030	2.95	4.40
GL404030-3R3	3.3 $\pm 20\%$	38	0.040	2.40	3.30
GL404030-4R7	4.7 $\pm 20\%$	31	0.060	2.00	2.90
GL404030-6R8	6.8 $\pm 20\%$	24	0.090	1.60	2.75
GL404030-100	10 $\pm 20\%$	21	0.100	1.50	1.95
GL404030-150	15 $\pm 20\%$	16	0.190	1.11	1.65
GL404030-220	22 $\pm 20\%$	10	0.225	1.00	1.30
GL404030-330	33 $\pm 20\%$	10	0.330	0.84	1.10
GL404030-390	39 $\pm 20\%$	10	0.435	0.73	1.03
GL404030-470	47 $\pm 20\%$	8.4	0.445	0.72	0.95

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL505020-1R0	1.0 $\pm 30\%$	114	0.020	3.80	4.10
GL505020-1R2	1.2 $\pm 30\%$	83	0.022	3.55	4.50
GL505020-1R5	1.5 $\pm 30\%$	68	0.026	3.20	4.10
GL505020-2R2	2.2 $\pm 30\%$	57	0.032	2.90	3.20
GL505020-3R3	3.3 $\pm 30\%$	46	0.043	2.50	2.55
GL505020-4R7	4.7 $\pm 20\%$	37	0.057	2.20	2.50
GL505020-5R6	5.6 $\pm 20\%$	32	0.064	2.05	2.30
GL505020-6R8	6.8 $\pm 20\%$	30	0.083	1.80	2.05
GL505020-100	10 $\pm 20\%$	24	0.110	1.55	1.70
GL505020-150	15 $\pm 20\%$	20	0.165	1.25	1.35
GL505020-180	18 $\pm 20\%$	16	0.200	1.15	1.25
GL505020-220	22 $\pm 20\%$	14	0.226	1.10	1.15

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL505040-1R0	1.0 $\pm 30\%$	117	0.012	4.90	7.35
GL505040-1R5	1.5 $\pm 30\%$	86	0.015	4.30	6.30
GL505040-2R2	2.2 $\pm 30\%$	50	0.019	3.80	4.90
GL505040-3R3	3.3 $\pm 30\%$	32	0.024	3.40	3.95
GL505040-4R7	4.7 $\pm 20\%$	28	0.030	3.00	3.50
GL505040-6R8	6.8 $\pm 20\%$	21	0.043	2.50	2.90
GL505040-100	10 $\pm 20\%$	18	0.064	2.10	2.35
GL505040-150	15 $\pm 20\%$	13	0.086	2.00	2.00
GL505040-220	22 $\pm 20\%$	11	0.129	1.50	1.60
GL505040-330	33 $\pm 20\%$	9.1	0.188	1.20	1.30
GL505040-470	47 $\pm 20\%$	6.7	0.272	1.00	1.10
GL505040-680	68 $\pm 20\%$	5.7	0.400	0.80	0.90
GL505040-101	100 $\pm 20\%$	4.7	0.560	0.70	0.75

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL505040-1R0	1.0 $\pm 30\%$	117	0.012	4.90	7.35
GL505040-1R5	1.5 $\pm 30\%$	86	0.015	4.30	6.30
GL505040-2R2	2.2 $\pm 30\%$	50	0.019	3.80	4.90
GL505040-3R3	3.3 $\pm 30\%$	32	0.024	3.40	3.95
GL505040-4R7	4.7 $\pm 20\%$	28	0.030	3.00	3.50
GL505040-6R8	6.8 $\pm 20\%$	21	0.043	2.50	2.90
GL505040-100	10 $\pm 20\%$	18	0.064	2.10	2.35
GL505040-150	15 $\pm 20\%$	13	0.086	2.00	2.00
GL505040-220	22 $\pm 20\%$	11	0.129	1.50	1.60
GL505040-330	33 $\pm 20\%$	9.1	0.188	1.20	1.30
GL505040-470	47 $\pm 20\%$	6.7	0.272	1.00	1.10
GL505040-680	68 $\pm 20\%$	5.7	0.400	0.80	0.90
GL505040-101	100 $\pm 20\%$	4.7	0.560	0.70	0.75

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL606028-1R0	1.0 $\pm 30\%$	70	0.010	5.20	5.75
GL606028-1R5	1.5 $\pm 30\%$	65	0.013	4.58	6.00
GL606028-2R2	2.2 $\pm 30\%$	48	0.020	3.75	5.10
GL606028-2R7	2.7 $\pm 30\%$	48	0.020	3.75	3.80
GL606028-3R3	3.3 $\pm 30\%$	41	0.025	3.48	4.15
GL606028-4R7	4.7 $\pm 30\%$	35	0.030	3.08	3.00
GL606028-6R2	6.2 $\pm 20\%$	30	0.047	2.40	3.05
GL606028-6R8	6.8 $\pm 20\%$	27	0.047	2.40	2.60
GL606028-100	10 $\pm 20\%$	23	0.072	1.95	2.04
GL606028-150	15 $\pm 20\%$	18	0.125	1.45	1.75
GL606028-220	22 $\pm 20\%$	14	0.140	1.40	1.45
GL606028-330	33 $\pm 20\%$	12	0.185	1.22	1.35
GL606028-470	47 $\pm 20\%$	9.5	0.315	1.06	1.15
GL606028-680	68 $\pm 20\%$	7.7	0.360	0.86	0.80
GL606028-101	100 $\pm 20\%$	7.1	0.500	0.70	0.65

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL606045-1R0	1.0 $\pm 30\%$	100	0.011	5.14	9.85
GL606045-1R5	1.5 $\pm 30\%$	65	0.012	4.95	8.80
GL606045-1R8	1.8 $\pm 30\%$	74	0.012	4.95	7.60
GL606045-2R2	2.2 $\pm 30\%$	52	0.014	4.60	6.75
GL606045-2R3	2.3 $\pm 30\%$	60	0.019	3.50	6.00
GL606045-3R0	3.0 $\pm 30\%$	35	0.020	3.80	5.60
GL606045-3R3	3.3 $\pm 30\%$	32	0.021	3.70	5.90
GL606045-3R6	3.6 $\pm 30\%$	28	0.021	3.70	5.25
GL606045-4R3	4.3 $\pm 20\%$	23	0.023	3.50	4.45
GL606045-4R7	4.7 $\pm 20\%$	24	0.026	3.30	4.97
GL606045-5R1	5.1 $\pm 20\%$	23	0.026	3.30	4.40
GL606045-5R6	5.6 $\pm 20\%$	23	0.029	3.15	4.15
GL606045-6R2	6.2 $\pm 20\%$	26	0.031	3.00	4.43
GL606045-6R8	6.8 $\pm 20\%$	20	0.031	3.00	3.90
GL606045-100	10 $\pm 20\%$	15	0.048	2.45	3.20
GL606045-150	15 $\pm 20\%$	12	0.068	2.05	2.50
GL606045-180	18 $\pm 20\%$	10	0.081	1.85	2.20
GL606045-220	22 $\pm 20\%$	10	0.089	1.80	2.05
GL606045-270	27 $\pm 20\%$	9.2	0.102	1.65	1.9
GL606045-330	33 $\pm 20\%$	7.8	0.173	1.45	1.65
GL606045-470	47 $\pm 20\%$	6.4	0.200	1.20	1.4
GL606045-680	68 $\pm 20\%$	6.4	0.289	1.00	1.2
GL606045-101	100 $\pm 20\%$	4.2	0.433	0.80	0.95
GL606045-331	330 $\pm 20\%$	2.8	1.270	0.57	0.57

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ORDERING CORE	Inductance(μ H) at 100KHz 1v	MHz SRF min	RDC(Ω) $\pm 30\%$	Irms (A)	Isat (A)
GL808040-1R0	1.0 $\pm 30\%$	89	0.008	6.30	9.85
GL808040-1R5	1.5 $\pm 30\%$	67	0.010	5.65	8.15
GL808040-2R0	2.0 $\pm 30\%$	43	0.012	5.15	9.25
GL808040-2R2	2.2 $\pm 30\%$	41	0.012	5.15	7.10
GL808040-3R3	3.3 $\pm 30\%$	32	0.017	4.40	6.50
GL808040-4R7	4.7 $\pm 20\%$	24	0.019	4.10	5.90
GL808040-5R6	5.6 $\pm 20\%$	24	0.021	3.85	6.00
GL808040-6R8	6.8 $\pm 20\%$	20	0.024	3.60	4.55
GL808040-100	10 $\pm 20\%$	15	0.029	3.30	3.60
GL808040-150	15 $\pm 20\%$	12	0.047	2.60	2.95
GL808040-180	18 $\pm 20\%$	11	0.053	2.40	2.70
GL808040-220	22 $\pm 20\%$	9.5	0.069	2.10	2.40
GL808040-330	33 $\pm 20\%$	7.8	0.097	1.80	2.05
GL808040-470	47 $\pm 20\%$	6.4	0.136	1.55	1.75
GL808040-680	68 $\pm 20\%$	4.9	0.196	1.25	1.45
GL808040-101	100 $\pm 20\%$	4.2	0.29	1.00	1.15
GL808040-121	120 $\pm 20\%$	3.5	0.334	0.95	1.05
GL808040-151	151 $\pm 20\%$	3.5	0.41	0.85	1.1
GL808040-221	220 $\pm 20\%$	3.5	0.599	0.80	0.85
GL808040-331	330 $\pm 20\%$	2.8	0.889	0.64	0.68