

Sealed Power Inductors

GL505040 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 505040 6R8 M T

GL-----Series name 系列名稱

505040-----Dimension 產品尺寸

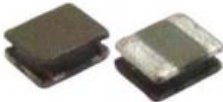
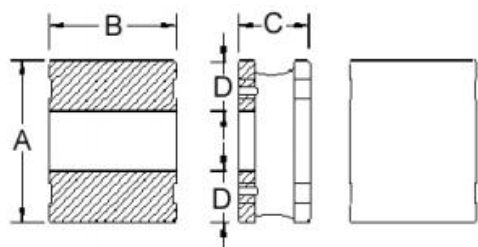

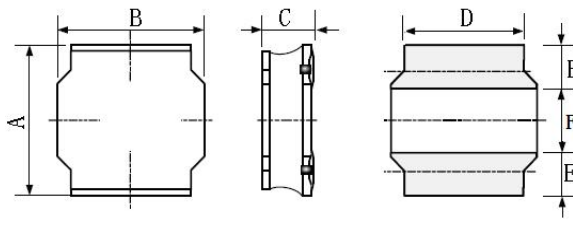


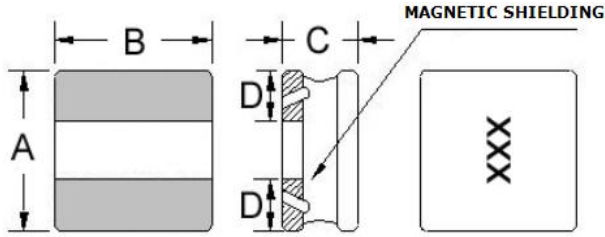
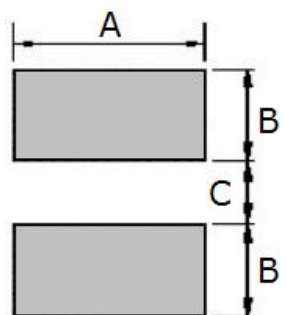

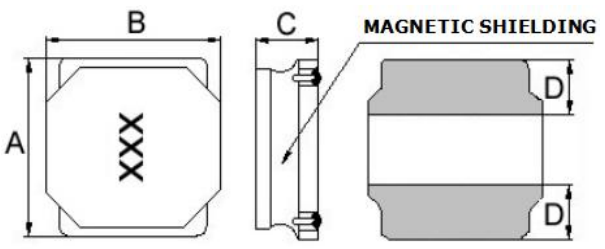
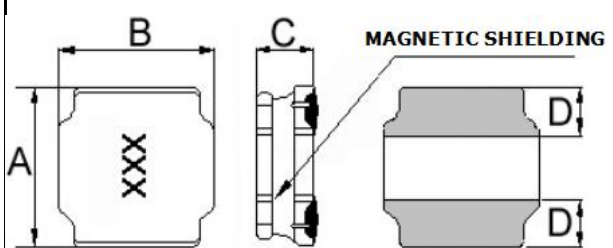
6R8-----Inductance 電感值【6R8=6.8 μ H】

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			

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◎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

SMD Shielded Power Inductors

© Detailed specifications and parameters are introduced

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)
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