

Sealed Power Inductors

GL808040 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 808040 6R8 M T

GL-----Series name 系列名稱

808040-----Dimension 產品尺寸

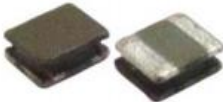
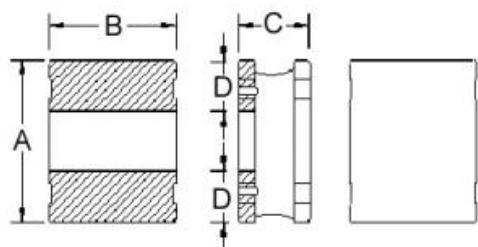

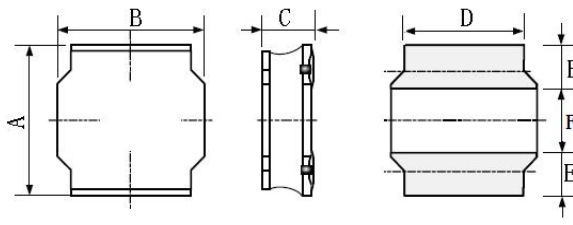


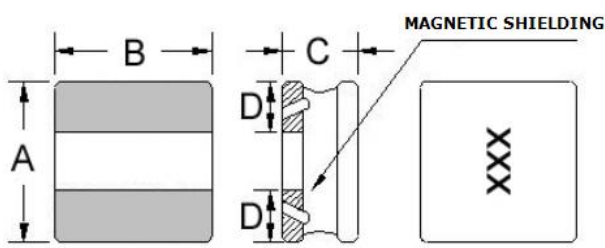


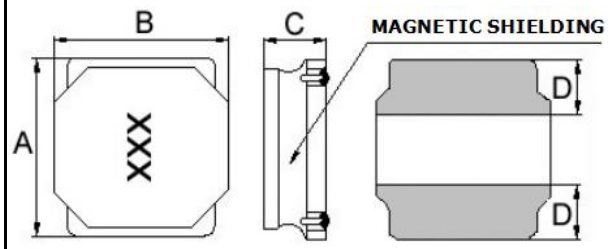
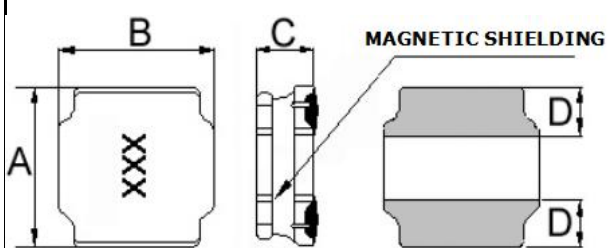
6R8-----Inductance 電感值【6R8=6.8 μ H】

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

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)
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