

# Sealed Power Inductors

## GL606045 SERIES

## PRODUCT CATALOG



寶仁弘電子有限公司 Prosperity Electronic Co., Limited

EML: brh@baorenhong.com Web: www.baorenhong.com

TEL: 0755-29687188 FAX: 0755-29688152

深圳市寶安區福永鎮立新二路天佑創客產業園

TEL: 0512-36878535 FAX: 0512-36878435

江蘇省昆山市花橋鎮綠地大道1325號

# 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 606045 6R8 M T

GL-----Series name 系列名稱

606045-----Dimension 產品尺寸

6R8-----Inductance 電感值【6R8=6.8  $\mu$ 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 606045 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( $\mu$ H) at 100KHz 1v	MHz SRF min	RDC( $\Omega$ ) $\pm 30\%$	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