

# Sealed Power Inductors

## GL606020 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 606020 6R8 M T

GL-----Series name 系列名稱

606020-----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 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	Test Frequency KHz/V	RDC( $\Omega$ ) MAX	Irms(A) MAX	Isat(A) MAX
GL606020-2R0	2.0 $\pm$ 30%	100/0.25	0.046	2.60	4.10
GL606020-2R2	2.2 $\pm$ 30%	100/0.25	0.036	2.75	3.75
GL606020-2R7	2.7 $\pm$ 30%	100/0.25	0.046	2.60	3.90
GL606020-3R3	3.3 $\pm$ 30%	100/0.25	0.046	2.60	3.15
GL606020-4R7	4.7 $\pm$ 30%	100/0.25	0.075	2.00	3.00
GL606020-5R6	5.6 $\pm$ 30%	100/0.25	0.075	1.90	2.40
GL606020-6R8	6.8 $\pm$ 30%	100/0.25	0.103	1.80	2.20
GL606020-8R2	8.2 $\pm$ 30%	100/0.25	0.137	1.40	2.10
GL606020-100	10 $\pm$ 20%	100/0.25	0.137	1.40	1.75
GL606020-120	12 $\pm$ 20%	100/0.25	0.156	1.30	1.45
GL606020-150	15 $\pm$ 20%	100/0.25	0.189	1.20	1.20
GL606020-180	18 $\pm$ 20%	100/0.25	0.234	1.08	1.20
GL606020-220	22 $\pm$ 20%	100/0.25	0.265	1.00	1.05
GL606020-330	33 $\pm$ 20%	100/0.25	0.390	0.84	0.95
GL606020-470	47 $\pm$ 20%	100/0.25	0.559	0.80	0.70