

Sealed Power Inductors

GL505020 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 505020 6R8 M T

GL-----Series name 系列名稱

505020-----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)
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