

Sealed Power Inductors

GL303012 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 303012 6R8 M T

GL-----Series name 系列名稱

303012-----Dimension 產品尺寸

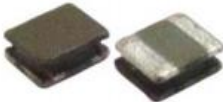
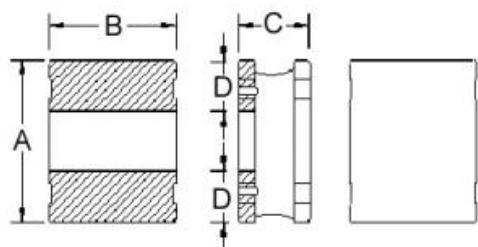

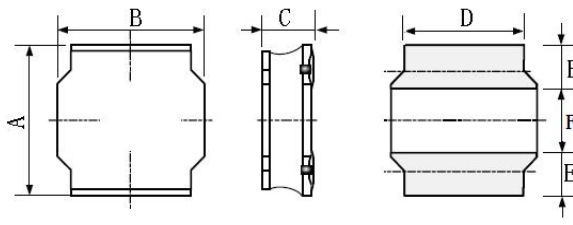


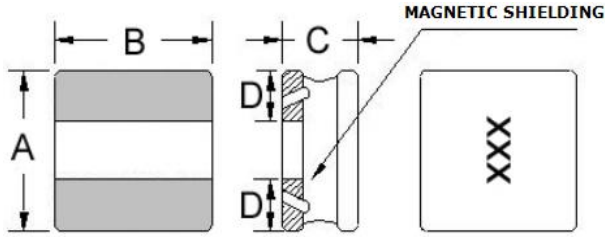


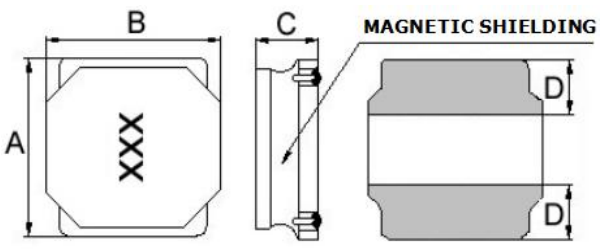
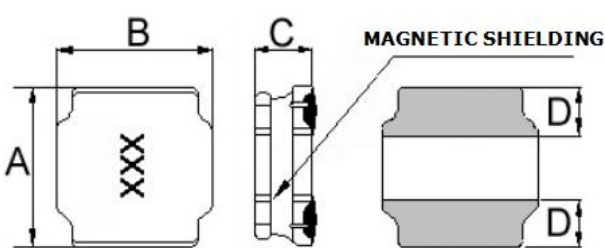
6R8-----Inductance 電感值【6R8=6.8 μ H】

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)
GL303012-1R0	1.0 $\pm 30\%$	120	0.040	2.20	1.87
GL303012-1R5	1.5 $\pm 30\%$	110	0.045	2.01	1.62
GL303012-2R2	2.2 $\pm 30\%$	84	0.075	1.55	1.20
GL303012-3R3	3.3 $\pm 20\%$	64	0.100	1.36	1.05
GL303012-4R7	4.7 $\pm 20\%$	61	0.120	1.24	1.00
GL303012-6R8	6.8 $\pm 20\%$	61	0.190	0.98	0.75
GL303012-100	10 $\pm 20\%$	42	0.265	0.83	0.60
GL303012-220	22 $\pm 20\%$	23	0.645	0.53	0.42