

LGA型色碼電感器 LGA TYPE COLOR CODE INDUCTORS

訂貨代碼 HOW TO ORDER

舉例FOR EXAMPLE

LGA	0307	—	220	K	P	52
↓	↓	↓	↓	↓	↓	↓
A	B	C	D	E	F	

A:

產品類別 Product type	
LGA	軸向色碼電感器 Axial color code inductor

B:

本體尺寸 Body Dimensions(mm)		
類型 Type	外徑 Dmax	體長 Lmax
0204	2.3	4.2
0307	2.8	7.0
0410	4.0	10.5
0510	5.0	10.5

C:

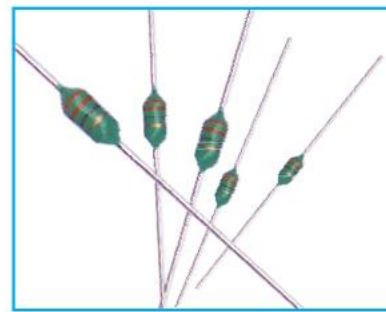
標稱電感量 Nominal Inductance(μ H)
<p>★ 前兩位數字為有效數字，後一位數字表示零的個數。 The first two digits are significant, and the third digit is number of zero</p> <p>例如For example: 101=100 μ H 5R6=5.6 μ H R22=0.22 μ H</p>

D:

感量偏差 Tolerance	
J	$\pm 5\%$
K	$\pm 10\%$
M	$\pm 20\%$

E:

包裝方式 Packaging style		
編帶 Tape & reel	P	盒帶包裝 Ammo
	T	卷帶包裝 Reel
散包裝 Bulk	F	直腳軸向 Axial
	L	直腳成型 Straight lead formed
	V	彎腳成型 Bent lead formed
	VK	彎腳 K 型 Bent lead K formed

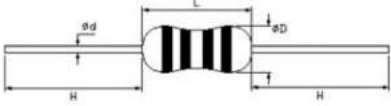
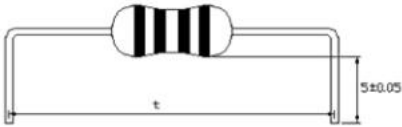
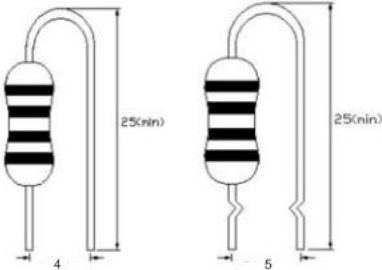


F:

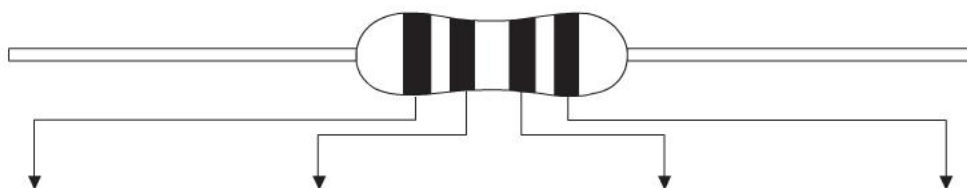
引腳形式 Lead configuration		
編帶 Tape & reel	26	編帶內距: 26 Tape width;
	52	編帶內距: 52 Tape width;
引腳成型 Formed lead	05	引腳腳距: 5.08mm Formed lead pitch;
	07	引腳腳距: 7.5mm Formed lead pitch;
	10	引腳腳距: 10.0mm Formed lead pitch;
	12	引腳腳距: 12.5mm Formed lead pitch;
	15	引腳腳距: 15.0mm Formed lead pitch;
	17	引腳腳距: 17.5mm Formed lead pitch;
	20	引腳腳距: 20.0mm Formed lead pitch;

LGA型色碼電感器 LGA TYPE COLOR CODE INDUCTORS

• 外形尺寸 EXTERNAL DIMENSIONS

類型 Type	尺寸 Dimensions (mm)					
	$\Phi D <$	$L <$	t	ϕd	$H >$	
LGA0204	2.3	4.2	$t=5.08 \pm 0.6$ $t=7.50 \pm 0.6$	0.50 ± 0.05	20	 <p>轴向 (Axial)</p>  <p>直脚成型 (L type)</p>  <p>彎脚成型 (V type) 彎脚K型 (VK type)</p>
LGA0307	2.8	7.0	$t=10.0 \pm 0.6$ $t=12.5 \pm 0.6$	0.50 ± 0.05		
LGA0410	4.0	10.5	$t=12.5 \pm 0.6$ $t=15.0 \pm 0.6$ $t=17.5 \pm 0.6$ $t=20.0 \pm 0.6$	0.60 ± 0.05		
LGA0510	5.0	10.5	$t=15.0 \pm 0.6$ $t=17.5 \pm 0.6$ $t=20.0 \pm 0.6$	0.60 ± 0.05		

• 色碼標記代號 MARKING



	標稱電感量 Nominal inductance			感量偏差 Tolerance
	第一色環 1 st color zone	第二色環 2 nd color zone	第三色環 3 rd color zone	第四色環 4 th color zone
	第一數字 1 st digit	第二數字 2 nd digit	第三數字 3 rd digit	
黑 Black	0	0	$\times 10^0$ (1)	M: $\pm 20\%$
棕 Brown	1	1	$\times 10^1$ (10)	
紅 Red	2	2	$\times 10^2$ (100)	
橙 Orange	3	3	$\times 10^3$ (1000)	
黃 Yellow	4	4	$\times 10^4$ (10000)	
綠 Green	5	5	$\times 10^5$ (100000)	
藍 Blue	6	6		
紫 Purple	7	7		
灰 Gray	8	8		
白 White	9	9		
金 Gold	/	/	$\times 10^{-1}$ (0.1)	J: $\pm 5\%$
銀 Silver	/	/	$\times 10^{-2}$ (0.01)	K: $\pm 10\%$

例如: For example:

標稱電感量及偏差為 $22 \mu\text{H}$, $\pm 5\%$ 的電感器其色碼為:紅+紅+黑+金;

If nominal inductance&tolerance is $22 \mu\text{H}$, $\pm 5\%$, respectively, red+red+black+gold should be marked.

標稱電感量及偏差為 $1.0 \mu\text{H}$, $\pm 10\%$ 的電感器其色碼為:棕+黑+金+銀;

If nominal inductance&tolerance is $1.0 \mu\text{H}$, $\pm 10\%$, respectively, brown+black+gold+silver should be marked.

標稱電感量及偏差為 $0.22 \mu\text{H}$, $\pm 20\%$ 的電感器其色碼為:紅+紅+銀+黑;

If nominal inductance&tolerance is $0.22 \mu\text{H}$, $\pm 20\%$, respectively, red+red+silver+black should be marked.

備注:LGA0204由于體長較小,只標注前三條代表標稱電感量的色碼.

NOTE:only the first three color zones are marked on the body of LGA0204,due to the small body size.

LGA型色碼電感器

LGA TYPE COLOR CODE INDUCTORS

• 電性參數及測試條件

ELECTRICAL CHARACTERISTICS&TEST CONDITIONS

LGA0204型電感器電性能參數及測試條件
LGA0204 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS&TEST CONDITIONS

LGA0204 類型Type	標稱電感量 Nominal Inductance (μH)	誤 差 Tolerance	Q (min)	直 流電阻 RDC (Ω) max	測 試 頻 率 Test frequency (MHZ)	自 諧 頻 率 SRF (MHZ)min	額 定 電 流 Rated current I _{bc} (mA)max
LGA0204-R22	0.22	M; ± 20%	35	0.40	25.2	150	400
LGA0204-R27	0.27			0.43			380
LGA0204-R33	0.33			0.48			370
LGA0204-R39	0.39			0.51			350
LGA0204-R47	0.47			0.56			330
LGA0204-R56	0.56			0.61			320
LGA0204-R68	0.68			0.67			310
LGA0204-R82	0.82			0.74			290
LGA0204-1R0	1.0			0.80			270
LGA0204-1R2	1.2			K; ±10%			40
LGA0204-1R5	1.5	1.0	80		250		
LGA0204-1R8	1.8	1.1	60		240		
LGA0204-2R2	2.2	2.2	45		230		
LGA0204-2R7	2.7	1.3	40		220		
LGA0204-3R3	3.3	1.4	38		210		
LGA0204-3R9	3.9	1.6	35		200		
LGA0204-4R7	4.7	1.7	32		190		
LGA0204-5R6	5.6	1.9	30		180		
LGA0204-6R8	6.8	2.0	28		175		
LGA0204-8R2	8.2	J; ± 5%	40	2.2	2.52	26	165
LGA0204-100	10			2.5		24	160
LGA0204-120	12			2.5		22	150
LGA0204-150	15			2.8		20	145
LGA0204-180	18			3.1		18	140
LGA0204-220	22			3.4		17	130
LGA0204-270	27			4.3		16	80
LGA0204-330	33			4.7		14	76
LGA0204-390	39			5.2		13	74
LGA0204-470	47			5.8		12	70
LGA0204-560	56	6.4	11	68			
LGA0204-680	68	7.2	10	64			
LGA0204-820	82	11.0	9.5	46			
LGA0204-101	100	12.0	9.0	44			
LGA0204-121	120	13.0	8.0	42			
LGA0204-151	150	16.0	6.0	39			
LGA0204-181	180	18.0	5.5	37			
LGA0204-221	220	20.0	5.0	35			
測 試 儀 器 Test equipment	HP4285A (HP4286A, HP4287A)			HP4338B		HM9461	HP42841A
環 境 溫 度 Ambient temperature	18~25℃						
環 境 濕 度 Ambient humidity	45%~75%						

#特殊要求的產品可以根據客戶要求生產
The products can be customized according to customer requirement.

LGA0307型電感器電性能參數及測試條件

LGA0307 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

LGA0307 類型Type	標稱電感量 Nominal Inductance (μH)	誤 差 Tolerance	Q (min)	直流電阻 RDC max	測試頻率 Test frequency (MHZ)	自諧頻率 SRF (MHZ)min	額定電流 Rated current I _{DC} (mA)max	
LGA0307-R22	0.22	M: ± 20%	35	0.40	25.2	150	400	
LGA0307-R27	0.27			0.43			380	
LGA0307-R33	0.33			0.48			370	
LGA0307-R39	0.39			0.51			350	
LGA0307-R47	0.47			0.56			330	
LGA0307-R56	0.56		40	0.61			320	
LGA0307-R68	0.68			0.67			310	
LGA0307-R82	0.82			0.74			290	
LGA0307-1R0	1.0			0.80			270	
LGA0307-1R2	1.2		50	0.90	7.96	144	260	
LGA0307-1R5	1.5			1.0		131	250	
LGA0307-1R8	1.8			1.1		121	240	
LGA0307-2R2	2.2			1.2		110	230	
LGA0307-2R7	2.7			1.3		100	220	
LGA0307-3R3	3.3			1.4		94	210	
LGA0307-3R9	3.9			1.6		65	200	
LGA0307-4R7	4.7			1.7		56	190	
LGA0307-5R6	5.6			1.9		48	180	
LGA0307-6R8	6.8			2.0		37	175	
LGA0307-8R2	8.2			2.2		25	165	
LGA0307-100	10			2.5		21	160	
LGA0307-120	12			2.5	2.52	19	150	
LGA0307-150	15			2.8		17	145	
LGA0307-180	18			3.1		13	140	
LGA0307-220	22			3.4		9.6	130	
LGA0307-270	27			3.8		7.2	125	
LGA0307-330	33			4.1		6.3	120	
LGA0307-390	39			4.5		6.3	115	
LGA0307-470	47			4.9		6.3	110	
LGA0307-560	56			5.3		6.2	105	
LGA0307-680	68			5.8		5.7	100	
LGA0307-820	82			6.3		5.3	95	
LGA0307-101	100	J: ± 5%		7.0		0.796	4.8	90
LGA0307-121	120		13.0	3.8	90			
LGA0307-151	150		15.0	3.5	85			
LGA0307-181	180		16.0	3.3	80			
LGA0307-221	220		17.0	3.0	75			
LGA0307-271	270		19.0	2.8	65			
LGA0307-331	330		20.0	2.6	60			
LGA0307-391	390		22.0	2.4	55			
LGA0307-471	470		24.0	2.25	55			
LGA0307-561	560		26.0	2.10	50			
LGA0307-681	680		28.0	1.95	45			
LGA0307-821	820		30.0	1.85	40			
LGA0307-102	1000		33.0	1.40	40			
測試儀器 Test equipment	HP4285A (HP4286A, HP4287A)			HP4338B		HM9461	HP42841A	
環境溫度 Ambient temperature	18~25℃							
環境濕度 Ambient humidity	45%~75%							

#特殊要求的產品可以根據客戶要求生產

The products can be customized according to customer requirement.

LGA型色碼電感器

LGA TYPE COLOR CODE INDUCTORS

LGA0410型電感器電性能參數及測試條件

LGA0410 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

LGA0410 類型Type	標稱電感量 Nominal Inductance (μH)	誤 差 Tolerance	Q (min)	直 流 電 阻 RDC max	測試頻率 Test frequency (MHZ)	自諧頻率 SRF (MHZ)min	額定電流 Rated current I _{oc} (mA)max	
LGA0410-R22	0.22	M: ± 20%	45	0.10	25.2	300	1400	
LGA0410-R27	0.27		45	0.11		270	1320	
LGA0410-R33	0.33		45	0.12		250	1280	
LGA0410-R39	0.39		45	0.13		230	1200	
LGA0410-R47	0.47		45	0.14		220	1150	
LGA0410-R56	0.56		45	0.15		200	1122	
LGA0410-R68	0.68		45	0.16		190	1030	
LGA0410-R82	0.82		45	10.17		172	980	
LGA0410-1R0	1.0		45	0.19		157	920	
LGA0410-1R2	1.2		50	0.21	144	880		
LGA0410-1R5	1.5		50	0.23	131	830		
LGA0410-1R8	1.8		55	0.25	121	790		
LGA0410-2R2	2.2		55	0.28	110	750		
LGA0410-2R7	2.7		60	0.30	100	720		
LGA0410-3R3	3.3		65	0.34	94	670		
LGA0410-3R9	3.9		65	0.37	65	640		
LGA0410-4R7	4.7		70	0.39	56	620		
LGA0410-5R6	5.6		70	0.43	48	590		
LGA0410-6R8	6.8		75	0.48	37	550		
LGA0410-8R2	8.2		80	0.52	25	530		
LGA0410-100	10	K: ± 10%	65	0.58	2.52	21	500	
LGA0410-120	12		50	0.63		19	480	
LGA0410-150	15		50	0.72		17	460	
LGA0410-180	18		50	0.77		13	430	
LGA0410-220	22		50	0.84		9.6	410	
LGA0410-270	27		55	0.94		7.2	390	
LGA0410-330	33		55	1.03		6.3	370	
LGA0410-390	39		50	1.12		6.3	350	
LGA0410-470	47		45	1.22		6.3	340	
LGA0410-560	56		40	1.34		6.2	320	
LGA0410-680	68	J: ± 5%	40	1.47	5.7	305		
LGA0410-820	82		35	1.62	5.3	290		
LGA0410-101	100		30	1.80	4.8	275		
LGA0410-121	120		55	3.70	3.8	185		
LGA0410-151	150		45	4.20	3.5	175		
LGA0410-181	180		50	4.60	3.3	165		
LGA0410-221	220		55	5.10	3.0	155		
LGA0410-271	270		65	5.80	2.8	145		
LGA0410-331	330		65	6.40	2.6	137		
LGA0410-391	390		65	7.00	2.4	133		
LGA0410-471	470		60	7.70	2.25	126		
LGA0410-561	560		60	8.85	2.10	120		
LGA0410-681	680		55	9.40	1.95	113		
LGA0410-821	820		55	10.50	1.85	105		
LGA0410-102	1000		50	1400	1.40	100		
測試儀器 Test equipment	HP4285A (HP4286A, HP4287A)			HP4338B		HM9461	HP42841A	
環境溫度 Ambient temperature	18~25℃							
環境濕度 Ambient humidity	45%~75%							

#特殊要求的產品可以根據客戶要求生產

The products can be customized according to customer requirement.

LGA0510型電感器電性能參數及測試條件
LGA0510 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

LGA0510 類型Type	標稱電感量 Nominal Inductance (μH)	誤 差 Tolerance	Q (min)	直流電阻 RDC (Ω)max	測試頻率 Test frequency (MHZ)	自諧頻率 SRF (MHZ)min	額定電流 Rated current I _{DC} (mA)max	
LGA0510-471	470	M; ± 20%	60	7.70	0.796	1.9	126	
LGA0510-561	560		50	8.50		1.8	120	
LGA0510-681	680		55	9.00		1.5	113	
LGA0510-821	820		45	10.5		1.2	105	
LGA0510-102	1000	K; ± 10%	45	14.0	0.252	1.0	100	
LGA0510-122	1200		40	16.0		0.95	95	
LGA0510-152	1500		40	21.6		0.90	90	
LGA0510-182	1800		40	24.0		0.85	85	
LGA0510-222	2200		40	34.7		0.80	80	
LGA0510-272	2700		40	40.0		0.75	75	
LGA0510-332	3300		40	59.5		0.70	62	
LGA0510-392	3900		J; ± 5%	40		66.0	0.65	59
LGA0510-472	4700			40		74.0	0.60	55
LGA0510-562	5600			30		80.0	0.50	40
LGA0510-682	6800			30		85.0	0.45	35
LGA0510-822	8200			30		95.0	0.40	30
LGA0510-103	10000	20		105.0	0.0796	0.35	25	
測試儀器 Test equipment		HP4285A (HP4286A, HP4287A)		HP4338B		HM9461	HP42841A	
環境溫度 Ambient temperature		18~25℃						
環境濕度 Ambient humidity		45%~75%						

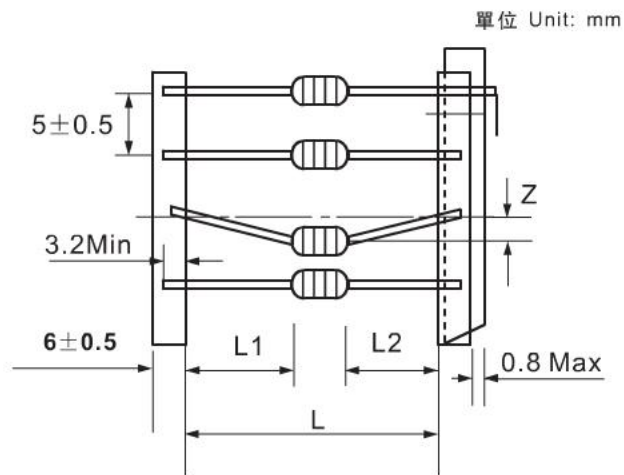
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LGA型色碼電感器

LGA TYPE COLOR CODE INDUCTORS

- 包裝方式
PACKAGING STYLE

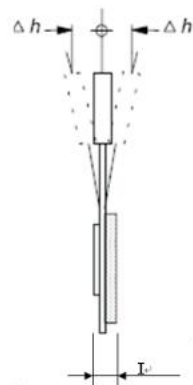
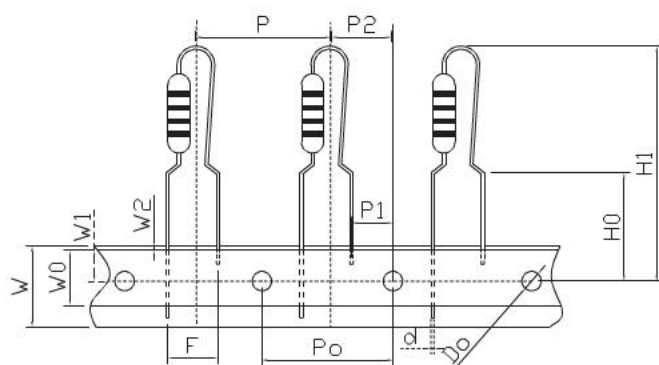
- 卷帶尺寸
TAPING DIMENSIONS



編帶方式 Tape style	L	Z	L1-L2
編帶內距 :26 Tape width	26 ± 1.0	0.8 Max	1.0 Max
編帶內距 :52 Tape width	$52 \begin{smallmatrix} +2.0 \\ -1.0 \end{smallmatrix}$	1.2 Max	

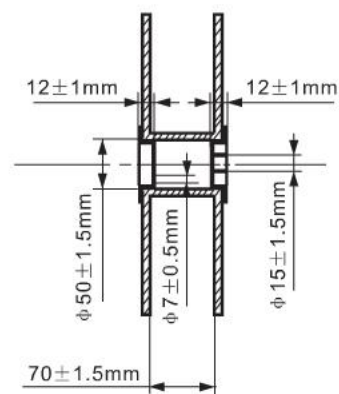
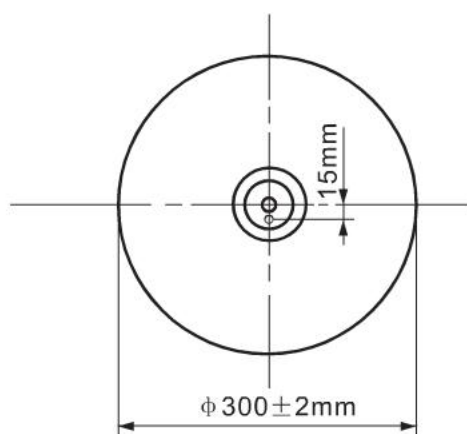
- 立式卷帶尺寸
VERTICAL TAPING DIMENSIONS

單位 Unit: mm

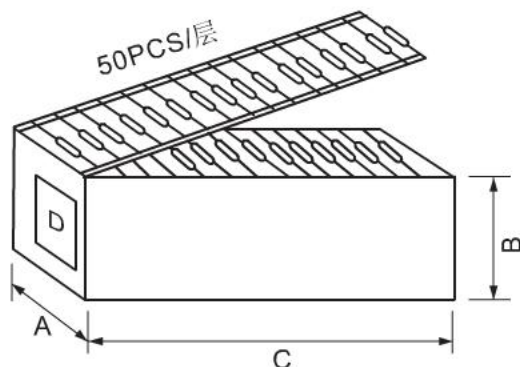


代号 Codel	P	P0	P1	P2	d	Δh	W	W0	W1	W2	H0	H1	D0	L	F
尺寸 Dim.	12.7	12.7	3.85	6.35	0.6	0	18.5	12	9	1.5	15-20	32.25	4.0	1.4	5
误差 Tol.	± 1.0	± 0.2	± 0.7	± 0.4	± 0.1	± 1.0	± 1.0	± 1.0	± 1.0	± 1.5	± 0.5	Max	± 0.2	Max	± 0.8

- 卷帶包裝尺寸
TAPE&REEL PACKAGING DIMENSIONS



- 盒帶包裝尺寸
AMMO PACKAGING DIMENSIONS



- 包裝盒尺寸
DIMENSIONS OF BOX

單位 Unit: mm

編帶類型 Tape type	尺 寸 Dimensions (±5mm)		
	A	B	C
52	75	82	260
26	50	82	260

- 包裝數量
PACKAGING QUANTITY

單位 Unit: Pcs

包裝方式 Packaging style	盒帶包裝 Ammo	散包裝 Bulk
包裝數量 Quantity	2000	1000

可根據用戶需求包裝
Packaging according to customer's requirement