

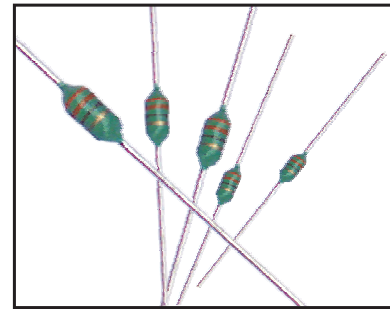
LGA型色碼電感器 LGA TYPE COLOR CODE INDUCTORS

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	E
↓	↓	↓	↓	↓	↓	↓	↓
A	B	C	D	E	F	G	



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)
★ 前兩位數字為有效數字，后一位數字表示零的個數。 The first two digits are significant, and the third digit is number of zero 例如For example: 101=100 μH 5R6=5.6 μH R22=0.22 μH

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

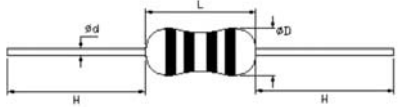
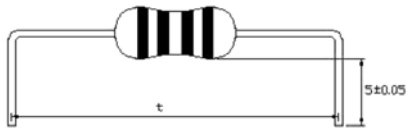
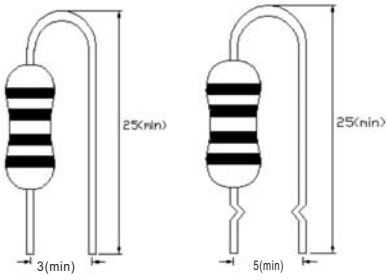
F:

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;

G:

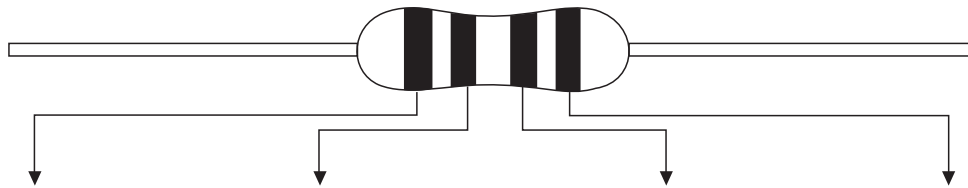
備注 Remark	
E	無鉛 Lead Free

• 外形尺寸
EXTERNAL DIMENSIONS

類型 Type	尺寸 Dimensions (mm)					
	$\Phi D \leq$	$L \leq$	t	ϕd	$H \geq$	
LGA0204	2.3	4.2	$t=5.08 \pm 0.6$ $t=7.50 \pm 0.6$	0.50 ± 0.05	20	 轴向 (Axial)  直脚成型 (L type)  彎脚成型 (V type) 彎脚K型 (VK type)
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		

LGA型色碼電感器 LGA TYPE COLOR CODE INDUCTORS

• 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.

• 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 _{DC} (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	1.2	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	2.2	26		165		
LGA0204-100	10	2.5	24		160		
LGA0204-120	12	2.6	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.

LGA型色碼電感器

LGA TYPE COLOR CODE INDUCTORS

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	0.4	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			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		40	0.90	7.96	144	260		
LGA0307-1R5	1.5			1.0		131	250		
LGA0307-1R8	1.8		50	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	2.6		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	7.0	4.8	90					
LGA0307-121	120	13.0	0.796	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	J: ±5%		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.

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 (μ H)	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
LGA0410-R22	0.22	M: $\pm 20\%$	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	0.17		172	980
LGA0410-1R0	1.0		45	0.19		157	920
LGA0410-1R2	1.2		50	0.21	7.96	144	880
LGA0410-1R5	1.5	K: $\pm 10\%$	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	J: $\pm 5\%$	80	0.52	2.52	25	530
LGA0410-100	10		65	0.58		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	0.796	6.3	340
LGA0410-560	56		40	1.34		6.2	320
LGA0410-680	68		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	8.50		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	14.00		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

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LGA型色碼電感器

LGA TYPE COLOR CODE INDUCTORS

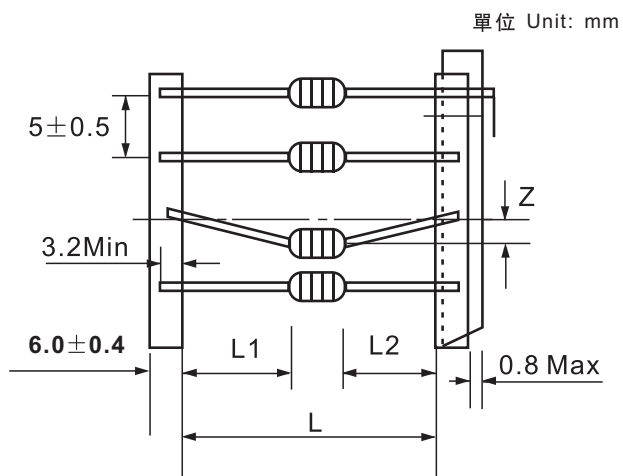
LGA0510型電感器電性能參數及測試條件
LGA0510 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

LGA0510 類型Type	標稱電感量 Nominal Inductance (μ H)	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: $\pm 20\%$	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: $\pm 10\%$	45	14.0	0.252	1.0	100
LGA0510-122	1200		40	16.9		0.95	95
LGA0510-152	1500		40	21.6		0.90	90
LGA0510-182	1800		40	24.0		0.85	85
LGA0510-222	2200	J: $\pm 5\%$	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		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%						

#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.

- 包裝方式
PACKAGING STYLE

- 卷帶尺寸
TAPING DIMENSIONS

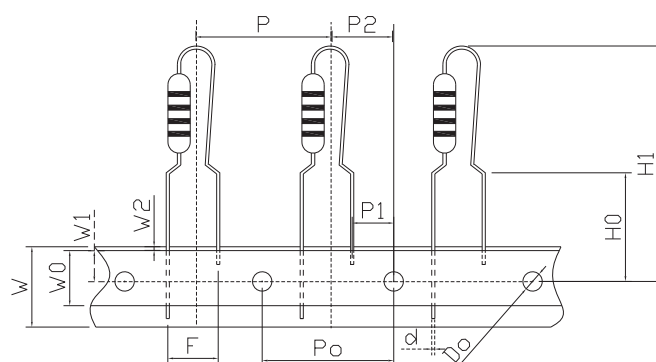


編帶方式 Tape style	L	Z	L1-L2
編帶內距:26 Tape width	26 ± 1.0	0.8 Max	1.0 Max
編帶內距:52 Tape width	$52 \begin{smallmatrix} +2.0 \\ -1.0 \end{smallmatrix}$	1.2 Max	

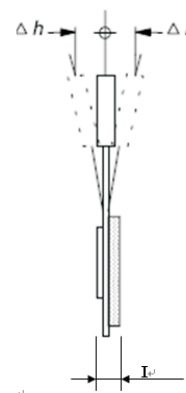
LGA型色碼電感器

LGA TYPE COLOR CODE INDUCTORS

立式卷帶尺寸 VERTICAL TAPING DIMENSIONS



單位 Unit: mm



代號 Code	P	P0	P1	P2	d	Δh	W	W0	W1	W2	H0	H1	D0	I	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
誤差 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

