

產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

客戶名稱  
Customer

:

客戶編碼  
Customer P/N

:

產品系列  
Series

一体成型电感  
SMD Molding Inductor

產品編碼  
Supply P/N

:

PSPMAA0412~1265 Series

發版號  
Version

:

A3.0

承認日期  
Endorsement Date

:

2022-1-17

備註  
Note

:

譜羅德電子科技（深圳）有限公司 PROD Electronic Technology (Shenzhen) Co. LTD	
製作 APPROVED	Ben
審查 CHECKED	Yuki
確認 PREPARED	Peter

客戶承認

Customer Approval

客戶簽章



A3.0

**修訂記錄**  
REVISION RECORD



產品編碼 P/N	<b>PSPMAA0412-1265 Series</b>	測試設備 TEST INSTRUMENT	<b>Chroma 3302 16502</b>
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Version	REVISION ITEM	BEFORE REVISION	AFTER REVISION	DATE
A3.0	First Version			2022-1-17



**譜羅德電子科技（深圳）有限公司**  
PROD TECHNOLOGY CO., LTD.

深圳市寶安區石岩三聯工業區B棟311

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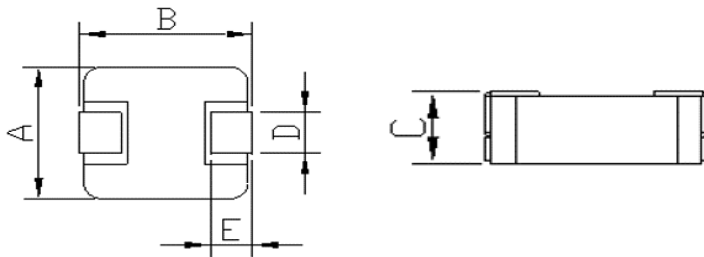
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## 編碼解釋

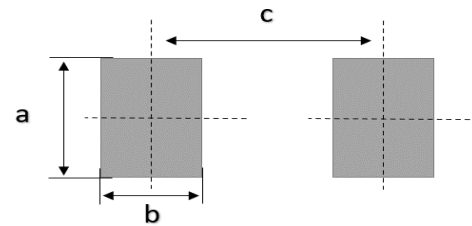
Code interpretation

<b>PSPMAA</b>	<b>0402</b>	<b>1R0</b>	<b>M</b>	<b>ANP</b>
類別碼	尺寸系列	系列碼	公差	標識碼
Category code	Dimension	Inductance	Tolerance	Other's code

封装尺寸  
Dimension (mm)



推薦的焊盤尺寸  
Recommened Land Pattern



系列 Series	封装尺寸 Dimension					焊盤尺寸 Land Pattern			最小包裝 MPQ
	A	B	C	D	E	a	b	c	
201610	2.0±0.2	1.6±0.2	1.0MAX	*	0.5±0.3	1.6Typ	0.55Typ	1.45Typ	3000pcs/卷盤
252010	2.5±0.2	2.0±0.2	1.0MAX	*	0.6±0.3	2.0Typ	0.8Typ	2.0Typ	3000pcs/卷盤
252012	2.5±0.2	2.0±0.2	1.2MAX	*	0.6±0.3	2.0Typ	0.8Typ	2.0Typ	3000pcs/卷盤
0410	4.1±0.20	4.1±0.20	1.0MAX	1.8±0.2	0.8±0.5	2.2Typ	1.1Typ	3.3Typ	5000pcs/卷盤
0412	4.2±0.25	4.4±0.35	1.2MAX	2.0±0.5	0.8±0.5	2.3Typ	1.4Typ	3.55Typ	3000pcs/卷盤
0402	4.05±0.25	4.45±0.25	2.0MAX	2.0±0.5	0.8±0.5	2.3Typ	1.4Typ	3.55Typ	2000pcs/卷盤
0518	5.2±0.3	5.4±0.3	1.8MAX	2.2±0.3	1.2±0.3	2.5Typ	1.8Typ	4Typ	2000pcs/卷盤
0502	5.2±0.3	5.4±0.3	2.0MAX	2.2±0.5	1.2±0.3	2.5Typ	1.8Typ	4Typ	2000pcs/卷盤
0503	5.2±0.3	5.4±0.3	3.0MAX	2.2±0.3	1.2±0.3	2.5Typ	1.8Typ	4Typ	2000pcs/卷盤
0610	6.1±0.3	6.1±0.3	1.0MAX	1.75±0.3	4.0±0.3	4.5Typ	2.3Typ	5.1Typ	3000pcs/卷盤
0618	6.6±0.3	7.1±0.3	1.8MAX	3.0±0.5	1.6±0.5	3.5Typ	2.1Typ	5.8Typ	2000pcs/卷盤
0602	6.6±0.3	7.1±0.3	2.0MAX	3.0±0.5	1.6±0.5	3.5Typ	2.1Typ	5.8Typ	2000pcs/卷盤
0624	6.6±0.3	7.1±0.3	2.4MAX	3.0±0.5	1.6±0.5	3.5Typ	2.1Typ	5.8Typ	1000pcs/卷盤
0603/063T	6.6±0.3	7.1±0.3	3.0MAX	3.0±0.5	1.6±0.5	3.5Typ	2.1Typ	5.8Typ	1000pcs/卷盤
0604	6.6±0.3	7.1±0.3	4.0MAX	3.0±0.5	1.6±0.5	3.5Typ	2.1Typ	5.8Typ	1000pcs/卷盤
0605	6.6±0.3	7.1±0.3	5.0MAX	3.0±0.5	1.6±0.5	3.5Typ	2.1Typ	5.8Typ	1000pcs/卷盤
0803	8.0±0.3	8.5±0.5	3.0MAX	3.0±0.3	1.8 ± 0.3	3.5 Typ	2.4Typ	6.9Typ	1000pcs/卷盤
0805	8.0±0.3	8.5±0.5	5.0MAX	3.0±0.3	1.8 ± 0.3	3.5 Typ	2.4Typ	6.9Typ	1000pcs/卷盤
1030	10.0±0.5	11.5±1.0	3.0MAX	3.0±0.5	2.5 ± 0.5	4.0 Typ	3.5Typ	9.5Typ	800pcs/卷盤
1040/1040X	10.0±0.5	11.5±1.0	4.0MAX	3.0±0.5	2.5 ± 0.5	4.0 Typ	3.5Typ	9.5Typ	800pcs/卷盤
1045	10.0±0.5	11.5±1.0	4.5MAX	3.0±0.5	2.5 ± 0.5	4.0 Typ	3.5Typ	9.5Typ	800pcs/卷盤
1050	10.0±0.5	11.5±1.0	5.0MAX	3.0±0.5	2.5 ± 0.5	4.0 Typ	3.5Typ	9.5Typ	800pcs/卷盤
1250	12.8±0.5	13.2±1.0	5.0MAX	3.5±0.5	2.5±0.5	5.0Typ	4.5Typ	10.5Typ	500pcs/卷盤
1265	12.8±0.5	13.2±1.0	6.5MAX	3.5±0.5	2.5±0.5	5.0Typ	4.5Typ	10.5Typ	500pcs/卷盤
1770	17.15MAX	17.50±1.0	7.0MAX	11.94±0.3	2.50±0.5	13Typ	3.1Typ	14.8Typ	300pcs/卷盤
2213	22.0±0.5	22.5±0.5	13.0Max	18.6±0.3	5.0±0.5	19Typ	6.0Typ	18Typ	100pcs/卷盤

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## 201610 Series

產品編碼 P/N	@ 25 °C Ambient Temperature					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%	
PSPMAA201610P-R24M-AU	0.24	20%	17	21	5.0	5.6
PSPMAA201610P-R33M-AU	0.33	20%	24	29	4.1	5.0
PSPMAA201610P-R47M-AU	0.47	20%	33	40	3.5	4.4
PSPMAA201610P-R68M-AU	0.68	20%	41	49	3.4	3.7
PSPMAA201610P-1R0M-AU	1.00	20%	60	69	2.6	2.9
PSPMAA201610P-1R5M-AU	1.50	20%	114	129	2.0	2.5
PSPMAA201610P-2R2M-AU	2.20	20%	135	150	1.7	1.9

## 252010~252012 Series

產品編碼 P/N	@ 25 °C Ambient Temperature					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%	
PSPMAA252010P-R22M-AU	0.22	20%	9	12.5	5.9	7.9
PSPMAA252010P-R33M-AU	0.33	20%	21	26	4.4	6.6
PSPMAA252010P-R47M-AU	0.47	20%	27	32	3.9	5.0
PSPMAA252010P-R68M-AU	0.68	20%	37	44	3.4	4.3
PSPMAA252010P-1R0M-AU	1.00	20%	45	54	3.0	3.5
PSPMAA252010P-1R5M-AU	1.50	20%	76	91	2.5	2.6
PSPMAA252010P-2R2M-AU	2.20	20%	99	119	2.3	2.4
PSPMAA252010P-4R7M-AU	4.70	20%	220	262	1.4	1.8
PSPMAA252012P-R68M-AU	0.68	20%	29	35	3.7	5.0
PSPMAA252012P-1R0M-AU	1.00	20%	41	49	3.5	4.4
PSPMAA252012P-1R5M-AU	1.50	20%	64	77	2.5	3.2
PSPMAA252012P-2R2M-AU	2.20	20%	85	98	2.3	3.0
PSPMAA252012P-4R7M-AU	4.70	20%	196	235	1.6	1.9



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## 0410~0412 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%	
PSPMAA0410-2R2M-ANP	2.2	20%	90	100	3.4	4.3
PSPMAA0410-4R7M-ANP	4.7	20%	144	160	2.6	2.5
PSPMAA0410-100M-ANP	10	20%	302	336	1.5	1.8
PSPMAA0412-R15M-ANP	0.15	20%	7	9	7.5	15
PSPMAA0412-R22M-ANP	0.22	20%	9	11	7	11
PSPMAA0412-R33M-ANP	0.33	20%	17	19	6.5	8.4
PSPMAA0412-R47M-ANP	0.47	20%	19	21	6	6.8
PSPMAA0412-R68M-ANP	0.68	20%	32	36	4.7	6
PSPMAA0412-1R0M-ANP	1.0	20%	43	70	4.5	5.5
PSPMAA0412-1R5M-ANP	1.5	20%	68	75	3.3	4
PSPMAA0412-2R2M-ANP	2.2	20%	79	83.5	2.8	3.5
PSPMAA0412-4R7M-ANP	4.7	20%	170	195	1.8	2.5

## 0402 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%	
PSPMAA0402-R10M-ANP	0.1	20%	3.5	4	12	22
PSPMAA0402-R22M-ANP	0.22	20%	6	6.6	9	12.5
PSPMAA0402-R33M-ANP	0.33	20%	9.6	13	8	12
PSPMAA0402-R47M-ANP	0.47	20%	12.5	14	7	9.5
PSPMAA0402-R56M-ANP	0.56	20%	14	16	6.5	10
PSPMAA0402-R68M-ANP	0.7	20%	16	18	6	9
PSPMAA0402-1R0M-ANP	1.0	20%	24	27	4.5	7
PSPMAA0402-1R2M-ANP	1.2	20%	24	27	4.5	7
PSPMAA0402-1R5M-ANP	1.5	20%	38	46	4	6
PSPMAA0402-2R2M-ANP	2.2	20%	52	58	3	5
PSPMAA0402-3R3M-ANP	3.3	20%	74	87	3	4
PSPMAA0402-4R7M-ANP	4.7	20%	98	110	2.5	3.5
PSPMAA0402-6R8M-ANP	6.8	20%	160	175	2.5	3.5
PSPMAA0402-8R2M-ANP	8.2	20%	170	185	2	3
PSPMAA0402-100M-ANP	10.0	20%	224	250	2	3
PSPMAA0402-150M-ANP	15	20%	325	374	1.5	2
PSPMAA0402-220M-ANP	22.0	20%	360	450	1.5	2

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## 0518 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0518-R33M-ANP	0.33	20%	7.7	8.6	11	15
PSPMAA0518-R47M-ANP	0.47	20%	10	11.3	10	14
PSPMAA0518-R56M-ANP	0.56	20%	11	13	9.5	13.5
PSPMAA0518-R68M-ANP	0.68	20%	12	14.3	9	13
PSPMAA0518-1R0M-ANP	1	20%	15	25	6.8	10
PSPMAA0518-1R5M-ANP	1.5	20%	23	28	6	9
PSPMAA0518-2R2M-ANP	2.2	20%	30	35	4.5	7
PSPMAA0518-3R3M-ANP	3.3	20%	45	52	3.5	5
PSPMAA0518-4R7M-ANP	4.7	20%	70	81	3	4.5
PSPMAA0518-5R6M-ANP	5.6	20%	114	127	2.5	4
PSPMAA0518-6R8M-ANP	6.8	20%	123	137	2.4	3.5
PSPMAA0518-8R2M-ANP	8.2	20%	148	165	2.3	3
PSPMAA0518-100M-ANP	10.0	20%	171	190	2.3	2.8

## 0502 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0502-R10M-ANP	0.10	20%	2.1	2.6	15.0	23.0
PSPMAA0502-R22M-ANP	0.22	20%	4.4	5.3	13.0	22.0
PSPMAA0502-R33M-ANP	0.33	20%	6.5	7.3	12.0	21.3
PSPMAA0502-R47M-ANP	0.47	20%	10.5	8.6	11.5	18.0
PSPMAA0502-R68M-ANP	0.68	20%	11.0	12.4	10.0	12.8
PSPMAA0502-1R0M-ANP	1.00	20%	17.0	19.2	7.0	11.7
PSPMAA0502-1R2M-ANP	1.20	20%	25.0	28.0	6.2	11.0
PSPMAA0502-2R2M-ANP	2.20	20%	42.0	50.0	4.2	9.0
PSPMAA0502-3R3M-ANP	3.30	20%	58.0	70.0	3.3	7.3
PSPMAA0502-4R7M-ANP	4.70	20%	90.0	106.0	2.8	5.0
PSPMAA0502-5R6M-ANP	5.60	20%	103.0	122.0	2.5	4.2
PSPMAA0502-6R8M-ANP	6.80	20%	114.0	145.0	2.4	3.8
PSPMAA0502-8R2M-ANP	8.20	20%	134.0	168.0	2.3	3.5
PSPMAA0502-100M-ANP	10.00	20%	151.0	189.0	2.3	3.4



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## 0503 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0503-R33M-ANP	0.33	20%	4.2	5.0	14.0	18.0
PSPMAA0503-R47M-ANP	0.47	20%	7.4	7.4	12.0	16.0
PSPMAA0503-R68M-ANP	0.68	20%	11.0	13.0	8.0	14.0
PSPMAA0503-1R0M-ANP	1.00	20%	13.0	15.0	7.0	11.0
PSPMAA0503-1R5M-ANP	1.50	20%	20.0	25.0	6.0	8.5
PSPMAA0503-2R2M-ANP	2.20	20%	25.0	35.0	5.5	7.5
PSPMAA0503-3R3M-ANP	3.30	20%	32.0	38.0	5.0	6.0
PSPMAA0503-4R7M-ANP	4.70	20%	50.0	70.0	4.0	5.0
PSPMAA0503-6R8M-ANP	6.80	20%	75.0	100.0	3.5	4.0
PSPMAA0503-8R2M-ANP	8.20	20%	100.0	130.0	3.0	4.0
PSPMAA0503-100M-ANP	10.00	20%	110.0	145.0	2.5	3.5
PSPMAA0503-150M-ANP	15.00	20%	192.0	215.0	2.0	3.0
PSPMAA0503-220M-ANP	22.00	20%	230.0	275.0	1.5	2.5

## 0610~0618 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0610-4R7M-ANP	4.7	20%	154	172	2.2	2.8
PSPMAA0610-6R8M-ANP	6.8	20%	177	197	2	2.5
PSPMAA0610-100M-ANP	10	20%	549	310	1.6	2.1
PSPMAA0618-R22M-ANP	0.22	20%	5.3	5.7	14.0	26.0
PSPMAA0618-R33M-ANP	0.33	20%	6.6	7.0	12.0	18.0
PSPMAA0618-R47M-ANP	0.47	20%	8.4	9.3	11.0	18.0
PSPMAA0618-R68M-ANP	0.68	20%	12.7	13.9	9.0	17.0
PSPMAA0618-R82M-ANP	0.82	20%	13.8	15.9	8.0	17.0
PSPMAA0618-1R0M-ANP	1.00	20%	17.5	18.3	7.0	14.0
PSPMAA0618-1R5M-ANP	1.50	20%	32.6	34.0	4.0	11.5
PSPMAA0618-2R2M-ANP	2.20	20%	40.3	46.0	3.8	11.0
PSPMAA0618-3R3M-ANP	3.30	20%	56.2	60.1	3.3	10.0
PSPMAA0618-4R7M-ANP	4.70	20%	76.6	78.0	3.0	8.0

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## 0602 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0602H-R10M-ANP	0.10	20%	2.5	3.5	16.0	30.0
PSPMAA0602H-R33M-ANP	0.33	20%	5.6	6.8	13.0	24.0
PSPMAA0602H-R47M-ANP	0.47	20%	6.4	8.0	10.0	22.0
PSPMAA0602H-R68M-ANP	0.68	20%	10.0	12.7	7.5	14.0
PSPMAA0602H-1R0M-ANP	1.00	20%	16.0	19.2	7.0	12.0
PSPMAA0602H-1R5M-ANP	1.50	20%	26.0	32.0	5.5	10.0
PSPMAA0602H-2R2M-ANP	2.20	20%	32.0	36.0	5.0	9.0
PSPMAA0602H-3R3M-ANP	3.30	20%	65.0	78.0	4.5	7.0
PSPMAA0602H-4R7M-ANP	4.70	20%	73.0	88.0	3.5	5.0
PSPMAA0602H-6R8M-ANP	6.80	20%	114.0	140.0	3.0	4.0
PSPMAA0602H-100M-ANP	10.00	20%	147.0	180.0	2.0	3.5

## 0624 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0624H-R22M-ANP	0.22	20%	1.7	3.2	12.0	21.0
PSPMAA0624H-R47M-ANP	0.47	20%	4.0	6.5	10.0	18.0
PSPMAA0624H-R68M-ANP	0.68	20%	6.0	9.4	9.0	16.0
PSPMAA0624H-1R0M-ANP	1.00	20%	9.0	12.0	8.0	13.0
PSPMAA0624H-2R2M-ANP	2.20	20%	22.0	34.0	6.0	10.0
PSPMAA0624H-3R3M-ANP	3.30	20%	29.0	35.0	5.0	9.0
PSPMAA0624H-4R7M-ANP	4.70	20%	41.0	50.0	5.0	8.0
PSPMAA0624H-6R8M-ANP	6.80	20%	52.0	72.0	3.0	6.0
PSPMAA0624H-100M-ANP	10.00	20%	82.0	106.0	2.0	4.0
PSPMAA0624H-150M-ANP	15.00	20%	112.0	135.0	1.5	3.0





產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

## 0603 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0603-R22M-ANP	0.22	20%	2.5	2.8	23.0	40.0
PSPMAA0603-R33M-ANP	0.33	20%	3.5	3.9	20.0	30.0
PSPMAA0603-R47M-ANP	0.47	20%	4.0	4.2	17.5	26.0
PSPMAA0603-R68M-ANP	0.68	20%	5.0	5.5	15.5	25.0
PSPMAA0603-R82M-ANP	0.82	20%	6.7	8.0	13.0	24.0
PSPMAA0603-1R0M-ANP	1.00	20%	9.0	10.0	11.0	22.0
PSPMAA0603-1R5M-ANP	1.50	20%	14.0	15.0	9.0	18.0
PSPMAA0603-2R2M-ANP	2.20	20%	18.0	20.0	8.0	14.0
PSPMAA0603-3R3M-ANP	3.30	20%	28.0	30.0	6.0	13.5
PSPMAA0603-4R7M-ANP	4.70	20%	37.0	40.0	5.5	10.0
PSPMAA0603-6R8M-ANP	6.80	20%	54.0	60.0	4.5	8.0
PSPMAA0603-8R2M-ANP	8.20	20%	70.0	90.0	4.0	7.5
PSPMAA0603-100M-ANP	10.00	20%	102.0	105.0	3.0	7.0
PSPMAA063T-100M-ANP	10.00	20%	62.0	68.0	4.0	5.5
PSPMAA063T-150M-ANP	15.00	20%	112.0	135.0	3.0	3.5
PSPMAA063T-220M-ANP	22.00	20%	120.0	150.0	2.0	3.5
PSPMAA063H-330M-ANP	33.00	20%	210.0	250.0	1.5	2.5
PSPMAA063H-470M-ANP	47.00	20%	344.0	412.0	1.5	2.5

## 0604 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0604H-R47M-ANP	0.47	20%	3.0	3.6	15.0	26.0
PSPMAA0604H-R68M-ANP	0.68	20%	4.8	5.8	10.0	18.0
PSPMAA0604H-1R0M-ANP	1.00	20%	5.5	6.6	9.0	17.0
PSPMAA0604H-1R5M-ANP	1.50	20%	7.0	10.8	8.0	13.0
PSPMAA0604H-2R2M-ANP	2.20	20%	10.0	13.0	7.0	12.0
PSPMAA0604H-3R3M-ANP	3.30	20%	13.5	18.0	6.5	11.0
PSPMAA0604H-4R7M-ANP	4.70	20%	20.0	24.0	6.0	9.0
PSPMAA0604H-6R8M-ANP	6.80	20%	41.0	49.0	5.0	8.0
PSPMAA0604H-100M-ANP	10.00	20%	58.0	70.0	3.5	6.5
PSPMAA0604H-150M-ANP	15.00	20%	64.0	77.0	3.0	5.5
PSPMAA0604H-220M-ANP	22.00	20%	98.0	117.0	2.5	4.0
PSPMAA0604H-330M-ANP	33.00	20%	163.0	196.0	2.0	3.5



產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

## 0605 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0605H-R47M-ANP	0.47	20%	2.9	3.9	14.0	24.0
PSPMAA0605H-R68M-ANP	0.68	20%	3.2	4.4	11.0	20.0
PSPMAA0605H-1R0M-ANP	1.00	20%	5.2	6.7	9.0	18.0
PSPMAA0605H-1R5M-ANP	1.50	20%	7.3	8.7	8.5	15.0
PSPMAA0605H-2R2M-ANP	2.20	20%	10.0	13.5	8.0	14.0
PSPMAA0605H-3R3M-ANP	3.30	20%	14.0	22.9	7.0	11.0
PSPMAA0605H-4R7M-ANP	4.70	20%	24.0	29.0	6.0	10.0
PSPMAA0605H-6R8M-ANP	6.80	20%	34.0	39.0	5.0	9.0
PSPMAA0605H-100M-ANP	10.00	20%	48.0	57.0	4.0	8.0
PSPMAA0605H-150M-ANP	15.00	20%	76.0	87.0	3.5	6.0
PSPMAA0605H-220M-ANP	22.00	20%	110.0	135.0	3.0	5.0
PSPMAA0605H-330M-ANP	33.00	20%	160.0	210.0	2.5	4.5
PSPMAA0605H-470M-ANP	47.00	20%	252.0	295.0	1.5	2.5
PSPMAA0605H-680M-CGF	68.00	20%	232.0	256.0	2.0	2.5
PSPMAA0605H-820M-CGF	82.00	20%	370.0	420.0	2.0	2.0
PSPMAA0605H-101M-CGF	100.00	20%	450.0	475.0	1.5	2.0

## 0803 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0803H-R22M-ANP	0.22	20%	1.68	2.0	28.0	36.0
PSPMAA0803H-R47M-ANP	0.47	20%	2.4	3.0	25.0	32.0
PSPMAA0803H-R68M-ANP	0.68	20%	3.5	4.5	20.0	25.0
PSPMAA0803H-1R0M-ANP	1.00	20%	4.8	5.5	13.0	18.0
PSPMAA0803H-1R5M-ANP	1.50	20%	6	8.0	10.0	14.0
PSPMAA0803H-2R2M-ANP	2.20	20%	10	13.0	8.5	11.0
PSPMAA0803H-3R3M-ANP	3.30	20%	15	17.0	7.5	9.0
PSPMAA0803H-4R7M-ANP	4.70	20%	28	32.0	6.8	8.0
PSPMAA0803H-5R6M-ANP	5.60	20%	33	37.0	5.8	7.0
PSPMAA0803H-6R8M-ANP	6.80	20%	43	48.0	5.2	6.0
PSPMAA0803H-100M-ANP	10.00	20%	54	60.0	4.8	6.5
PSPMAA0803H-150M-ANP	15.00	20%	95	106.0	4.0	5.0
PSPMAA0803H-220M-ANP	22.00	20%	121	135.0	3.0	3.5
PSPMAA0803H-330M-ANP	33.00	20%	189	210.0	2.5	3.0



產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

## 0805 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA0805-R22M-ANP	0.22	20%	1.10	1.30	38.0	55.0
PSPMAA0805-R33M-ANP	0.33	20%	1.90	2.20	33.0	53.0
PSPMAA0805-R47M-ANP	0.47	20%	2.00	2.40	28.0	47.0
PSPMAA0805-R68M-ANP	0.68	20%	2.80	3.30	25.0	40.0
PSPMAA0805-R82M-ANP	0.82	20%	3.40	3.80	16.0	26.0
PSPMAA0805-1R0M-ANP	1.00	20%	4.20	5.00	15.0	24.0
PSPMAA0805-1R5M-ANP	1.50	20%	4.80	5.80	14.0	22.0
PSPMAA0805-2R2M-ANP	2.20	20%	8.50	9.50	12.0	20.0
PSPMAA0805-3R3M-ANP	3.30	20%	11.00	13.00	11.0	17.0
PSPMAA0805-4R7M-ANP	4.70	20%	13.50	16.00	9.0	16.0
PSPMAA0805-5R6M-ANP	5.60	20%	17.70	21.00	8.0	14.0
PSPMAA0805-6R8M-ANP	6.80	20%	19.00	24.00	7.0	13.0
PSPMAA0805-100M-ANP	10.00	20%	30.00	35.00	6.0	10.0
PSPMAA0805-150M-ANP	15.00	20%	50.00	55.00	5.0	9.0
PSPMAA0805-220M-ANP	22.00	20%	75.00	83.00	4.0	7.5
PSPMAA0805-330M-ANP	33.00	20%	111.00	125.00	3.5	6.0
PSPMAA0805-470M-ANP	47.00	20%	155.00	180.00	3.0	4.5
PSPMAA0805-560M-ANP	56.00	20%	165.00	185.00	2.5	4.2
PSPMAA0805-680M-ANP	68.00	20%	188.00	300.00	2.2	4.0
PSPMAA0805-101M-ANP	100.00	20%	272.00	300.00	2.5	3.0

## 1030 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAQ1030-1R0M-ANP	1.00	20%	6.5	9.8	12.0	15.0



產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

## 1040 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAA1040H-R22M-ANP	0.22	20%	0.8	1.2	24.0	50.0
PSPMAA1040H-R36M-ANP	0.36	20%	1.0	1.5	22.0	40.0
PSPMAA1040H-R47M-ANP	0.47	20%	1.3	1.8	20.0	35.0
PSPMAA1040H-R56M-ANP	0.56	20%	1.5	2.5	18.0	30.0
PSPMAA1040H-R68M-ANP	0.68	20%	2.0	2.8	16.0	25.0
PSPMAA1040H-1R0M-ANP	1.00	20%	2.5	3.5	14.0	23.0
PSPMAA1040H-1R5M-ANP	1.50	20%	3.7	4.2	16.0	26.0
PSPMAA1040H-2R2M-ANP	2.20	20%	6.3	7.0	13.0	24.0
PSPMAA1040H-3R3M-ANP	3.30	20%	9.0	11.5	12.0	17.0
PSPMAA1040H-4R7M-ANP	4.70	20%	14.0	20.0	9.0	13.0
PSPMAA1040H-6R8M-ANP	6.80	20%	18.0	25.0	8.0	11.0
PSPMAA1040H-100M-ANP	10.00	20%	31.0	45.0	7.0	9.0
PSPMAA1040H-150M-ANP	15.00	20%	50.0	75.0	6.0	8.0
PSPMAA1040H-220M-ANP	22.00	20%	60.0	90.0	4.5	7.0
PSPMAA1040H-330M-ANP	33.00	20%	89.0	120.0	4.0	6.0
PSPMAA1040H-470M-ANP	47.00	20%	125.0	170.0	3.0	5.0
PSPMAA1040H-680M-ANP	68.00	20%	200.0	250.0	2.2	4.0

## 1040X Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAC1040X-R22M-ANP/F	0.22	20%	0.7	0.9	38.0	62.0
PSPMAC1040X-R36M-ANP/F	0.36	20%	0.7	0.8	33.0	53.0
PSPMAC1040X-R47M-ANP/F	0.47	20%	1.3	1.5	28.0	47.0
PSPMAC1040X-R56M-ANP/F	0.56	20%	1.3	1.5	27.0	43.0
PSPMAC1040X-R68M-ANP/F	0.68	20%	2	2.3	25.0	40.0
PSPMAC1040X-1R0M-ANP/F	1.00	20%	2.5	3.0	19.0	32.0
PSPMAC1040X-1R5M-ANP/F	1.50	20%	3.5	4.0	18.0	26.0
PSPMAC1040X-2R2M-ANP/F	2.20	20%	5.9	6.5	14.0	24.0
PSPMAC1040X-3R3M-ANP/F	3.30	20%	9.5	11.0	11.0	18.0
PSPMAC1040X-4R7M-ANP/F	4.70	20%	12.0	13.5	10.0	15.0
PSPMAC1040X-5R6M-ANP/F	5.60	20%	15.2	16.8	9.0	14.0
PSPMAC1040X-6R8M-ANP/F	6.80	20%	19.0	20.1	8.5	13.0
PSPMAC1040X-8R2M-ANP/F	8.20	20%	22.0	25.0	7.5	11.0
PSPMAC1040X-100M-ANP/F	10.00	20%	29.5	33.0	7.0	10.0
PSPMAC1040X-150M-ANP/F	15.00	20%	37.0	41.0	6.7	8.0
PSPMAC1040X-220M-ANP/F	22.00	20%	55.0	60.0	6.0	6.5
PSPMAC1040X-330M-ANP/F	33.00	20%	79.0	87.0	5.0	6.0
PSPMAC1040X-470M-ANP/F	47.00	20%	118.0	139.0	4.0	5.5

產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

## 1045 1050 Series

產品編碼 P/N	@ 25 °C Ambient Temperature					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAC1045H-220M-ANP	22.00	20%	60	72	4.0	6.0
PSPMAC1045H-470M-ANP	47.00	20%	136	164	3.5	4.5
PSPMAC1045H-680M-ANP	68.00	20%	155	230	2.5	4.5
PSPMAC1045H-101M-ANP	100.00	20%	250	300	2.0	4.0
PSPMAC1050H-1R0M-ANP	1.00	20%	2.3	3	16.0	28.0
PSPMAC1050H-2R2M-ANP	2.20	20%	5.2	7	12.0	20.0
PSPMAC1050H-8R2M-ANP	8.20	20%	23.5	35	6.5	12.0
PSPMAC1050H-100M-ANP	10.00	20%	29	35	6.0	12.0
PSPMAC1050H-220M-ANP	22.00	20%	60	72	4.5	8.0

## 1250 Series

產品編碼 P/N	@ 25 °C Ambient Temperature					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAC1250H-R47M-ANP	0.47	20%	1	1.2	25.0	45.0
PSPMAC1250H-R68M-ANP	0.68	20%	1.2	1.6	23.0	38.0
PSPMAC1250H-1R0M-ANP	1.00	20%	1.7	2.2	22.0	36.0
PSPMAC1250H-1R5M-ANP	1.50	20%	2.6	2.6	16.0	32.0
PSPMAC1250H-2R2M-ANP	2.20	20%	5	3.1	15.0	30.0
PSPMAC1250H-3R3M-ANP	3.30	20%	6.3	6	14.0	26.0
PSPMAC1250H-4R7M-ANP	4.70	20%	7.5	7.6	12.0	24.0
PSPMAC1250H-6R8M-ANP	6.80	20%	12	9	12.0	18.0
PSPMAC1250H-100M-ANP	10.00	20%	19.5	14.4	8.0	13.0
PSPMAC1250H-150M-ANP	15.00	20%	26	24	7.0	11.0
PSPMAC1250H-220M-ANP	22.00	20%	29	31.2	5.0	9.0
PSPMAC1250H-330M-ANP	33.00	20%	32	48	4.0	8.0
PSPMAC1250H-470M-ANP	47.00	20%	38	82	3.0	7.0



產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

## 1265~1770 Series

產品編碼 P/N	@ 25 °C Ambient Temperture					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAC1265H-1R0M-ANP/F	1.00	20%	1.6	2.0	23.0	40.0
PSPMAC1265H-1R5M-ANP/F	1.50	20%	2.4	3.2	18.0	30.0
PSPMAC1265H-2R2M-ANP/F	2.20	20%	3.4	4.2	15.0	25.0
PSPMAC1265H-3R3M-ANP/F	3.30	20%	4.8	5.7	12.0	22.0
PSPMAC1265H-4R7M-ANP/F	4.70	20%	8.2	10.0	11.0	21.0
PSPMAC1265H-6R8M-ANP/F	6.80	20%	11.0	14.0	10.0	20.0
PSPMAC1265H-100M-ANP/F	10.00	20%	14.0	16.8	8.0	14.0
PSPMAC1265H-150M-ANP/F	15.00	20%	27.5	32.0	7.0	13.0
PSPMAC1265H-220M-ANP/F	22.00	20%	32.7	38.0	6.0	12.0
PSPMAC1265H-330M-ANP/F	33.0	20%	45.0	50.0	5.0	10.0
PSPMAC1265H-470M-ANP/F	47.0	20%	63.1	72.0	5.5	8.0
PSPMAC1265H-680M-ANP/F	68.0	20%	105.1	130.0	3.0	5.5
PSPMAC1265H-101M-ANP/F	100.0	20%	130.0	160.0	2.0	5.0
PSPMAC1770X-1R0M-IGP	1.0	20%	1.00	1.30	55.5	73.0
PSPMAC1770X-1R5M-IGP	1.5	20%	1.40	1.70	48.0	65.0
PSPMAC1770X-2R2M-IGP	2.2	20%	2.31	2.53	35.0	62.0
PSPMAC1770X-3R3M-IGP	3.3	20%	3.00	3.88	28.0	54.0
PSPMAC1770X-4R7M-IGP	4.7	20%	4.10	5.11	25.0	41.0
PSPMAC1770X-5R6M-IGP	5.6	20%	5.70	7.10	21.0	40.0
PSPMAC1770X-6R8M-IGP	6.8	20%	6.90	8.83	19.0	32.0
PSPMAC1770X-8R2M-IGP	8.2	20%	8.6	10.7	18.0	25.0
PSPMAC1770X-100M-IGP	10.0	20%	9.6	12.0	16.5	25.0
PSPMAC1770X-100M-CGP	10.0	20%	8.0	10.0	19.0	21.0
PSPMAC1770X-150M-IGP	15.0	20%	16.0	20.0	12.5	25.0
PSPMAC1770X-220M-IGP	22.0	20%	21.6	27.0	11.0	23.0
PSPMAC1770X-330M-IGP	33.0	20%	30.4	38.0	8.5	13.0
PSPMAC1770X-470M-IGP	47.0	20%	46.4	58.0	6.5	11.0
PSPMAC1770X-680M-IGP	68.0	20%	80.0	100.0	5.0	9.0
PSPMAC1770X-820M-IGP	82.0	20%	88.0	110.0	5.0	8.0
PSPMAC1770X-101M-IGP	100.0	20%	115.0	140.0	4.2	7.0
PSPMAC1770X-151M-ANP	150.0	20%	149.0	186.0	2.0	4.0
PSPMAC1770X-151M-CGP	150.0	20%	149.0	186.0	4.0	5.0

產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

## 2213 Series

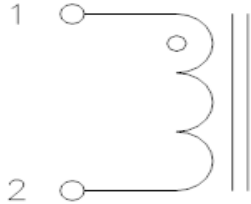
產品編碼 P/N	@ 25 °C Ambient Temperature					
	感值 Inductance	公差 Tolerance	DCR		溫升電流 (IRMS)	飽和電流 (ISAT)
			mΩ		A	A
	μH	±	Typ	Max	ΔT≈40°C	L0 drop≈30%
PSPMAC2213-1R5M-ANF	1.5	20%	1.00	1.15	52.0	62.0
PSPMAC2213-2R0M-ANF	2.0	20%	1.02	1.20	50.0	60.0
PSPMAC2213-2R2M-ANF	2.2	20%	1.05	1.25	48.0	58.0
PSPMAC2213-3R0M-ANF	3.0	20%	1.42	1.64	44.0	51.0
PSPMAC2213-3R3M-ANF	3.3	20%	1.50	1.75	41.0	49.0
PSPMAC2213-4R7M-ANF	4.7	20%	1.90	2.20	38.0	47.0
PSPMAC2213-6R8M-ANF	6.8	20%	2.70	3.10	36.0	40.0
PSPMAC2213-100M-ANF	10.0	20%	3.80	4.15	28.0	33.0
PSPMAC2213-220M-ANF	22.0	20%	9.20	11.00	15.0	22.0
PSPMAC2213-230M-ANF	23.0	20%	9.20	11.00	15.0	22.0
PSPMAC2213-330M-ANF	33.0	20%	13.50	15.40	12.0	19.0
PSPMAC2213-470M-ANF	47.0	20%	17.30	20.80	12.0	17.0
PSPMAC2213-680M-ANF	68.0	20%	26.20	29.50	12.0	14.0
PSPMAC2213-750M-ANF	75.0	20%	27.50	31.60	10.5	13.0
PSPMAC2213-820M-ANF	82.0	20%	31.00	34.20	9.0	12.0
PSPMAC2213-101M-ANF	100.0	20%	36.00	40.00	9.0	11.0

- ◎ 規格參數基於環境溫度25°C取得  
All test Data is referenced to 25°C ambient
- ◎ 電感工作環境溫度：-25°C ~ 125°C  
Operating temperature range -25 °C to +125 °C
- ◎ 加載溫升電流 (I<sub>rms</sub>) 會使電感溫度上升大約 40°C (電感初始溫度+上升溫度=電感最終溫度)  
Typical I<sub>rms</sub> would cause an approximately ΔT of 40°C
- ◎ 加載飽和電流 (ISAT) 會使感量下降大約30%  
Typical ISAT would cause L<sub>0</sub> to drop approximately 30%.
- ◎ 額定電流取值溫升電流與飽和電流二者最小值  
The rated current is determined by the minimum value between IRMS and ISAT
- ◎ 務必考慮最終的產品設計，元器件佈局，線路板走線，以及使用環境過程中，電感最終溫度不得超過125°C  
The operating temperature of inductance do not exceed 125°C
- ◎ 使用電感時，請查閱第18頁注意事項  
The announcements is on page 19

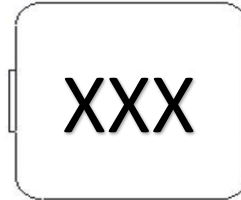


產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

電路結構  
Connections



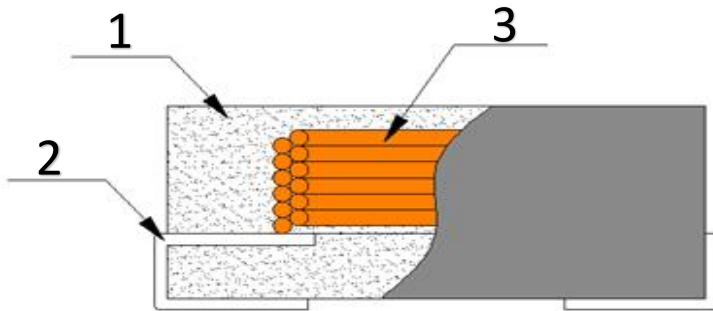
印字方式  
Marking



- ◎ 電感內置一組線圈  
Inductor Contents one (1) Set(s) of Coil
- ◎ 電感使用不需要區分正負方向  
DC/AC Current Shall Be Introduced By Any One of Two Pads

- ◎ 0410以下尺寸顶部不噴碼印字  
Size 201610~252012 series no marking

內部構造  
Internal Structure

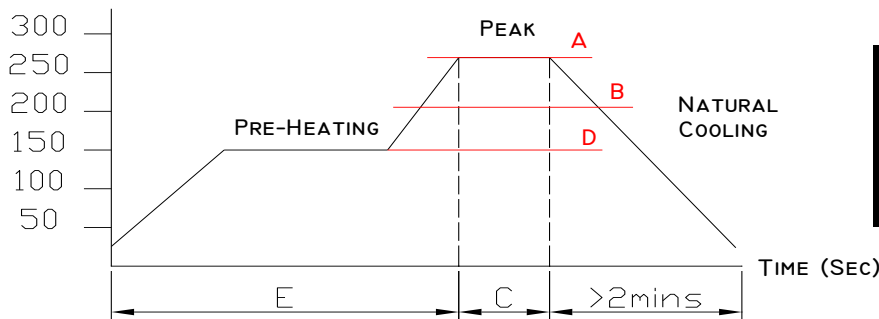


- 1: 磁芯 / Core
- 2: 電極 / Electrode
- 3: 線圈 / coil

焊接溫度 (推荐)

Recommended Soldering Temperature Graph

TEMPERATURE (°C)



A	260°C
B	230°C
C	10 Sec
D	150°C
E	60~240 Sec





產品編碼 P/N	PSPMAA0412-1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

### 机械可靠性测试

#### Mechanical Reliability

實驗名稱 ITEM	試驗要求 Specification & Requirement	試驗方法 Method Used
可焊性實驗 Solderability	The surface of terminal/pin tested shall be covered with new solder by 95%	Solder heat proof: Preheating: 180 ±10°C 90 seconds Soldering: 255 ±5°C for 3 ±1 sec
機械衝擊 Shock	Inductance change within ± 5% Without mechanical damage SMD Molding Ind	Drop down with 981m/s <sup>2</sup> (100G) shock Attitude upon a rubber block method shock testing machinem, 3 tests.
振動實驗 Vibration	Inductance change within ± 5% Without mechanical damage	Vibration frequency: 10Hz to 55Hz to 10Hz 60 seconds cycle Vibration time: 2 hours

### 老化测试

#### Aging Reliability

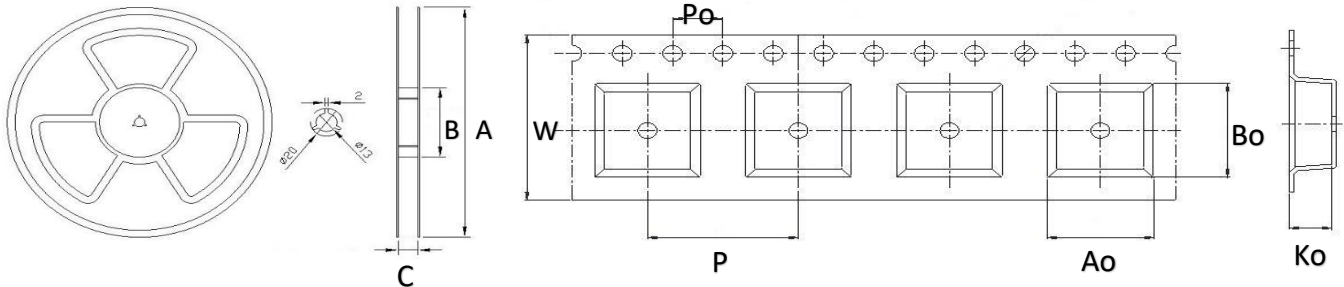
實驗名稱 ITEM	試驗要求 Specification & Requirement	試驗方法 Method Used
冷熱衝擊 Thermal Shock	Inductance change within ± 5% Without mechanical damage	-55°C, (30 mins) -> room temp. (5 mins) -> 125°C, (30 mins) -> room temp. (5 mins) 100 cycles
耐熱性 Heat Resistance	Inductance change within ± 5% Without mechanical damage	Apply IDC current @ 85°C ambient Duration: 1000 hrs
耐濕性 Humidity Resistance	Inductance change within ± 5% Without mechanical damage	Apply IDC current @ 60°C ambient Humidity: 90~95% Duration: 1000 hrs
低溫存儲實驗 Low Temp. Storing	Inductance change within ± 5% Without mechanical damage	Storing Temp. -55 ±2 °C for total 1,000 +4/-0 hours
高溫存儲實驗 High Temp. Storing	Inductance change within ± 5% Without mechanical damage	Storing Temp. 125 ±2 °C for total 1,000 +4/-0 hours



產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
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載帶卷盤尺寸 : (mm)

Packing Dimension



系列 Series	A	B	C	W	P	Po	Ao	Bo	Ko
201610	178	58	8.5	8	4	4	2.1 Typ	1.7 Typ	1.1 Typ
252010	178	58	8.5	8	4	4	2.6 Typ	2.1 Typ	1.1 Typ
252012	178	58	8.5	8	4	4	2.6 Typ	2.1 Typ	1.3 Typ
0410	330	100	12	12	8	4	4.5 Typ	4.5 Typ	1.1 Typ
0412	330	100	12	12	8	4	4.3 Typ	4.7 Typ	1.8 Typ
0402	330	100	12	12	8	4	4.6 Typ	4.75 Typ	2.2 Typ
0518	330	100	12.5	12	8	4	5.7 Typ	5.9 Typ	2.2 Typ
0502	330	100	12.5	12	8	4	5.7 Typ	5.9 Typ	2.3 Typ
0503	330	100	12.5	12	8	4	5.7 Typ	5.9 Typ	3.6 Typ
0610	330	100	17	16	12	4	6.4 Typ	6.5 Typ	1.1 Typ
0618	330	100	17	16	12	4	6.9 Typ	7.6 Typ	2.0 Typ
0602	330	100	17	16	12	4	6.9 Typ	7.6 Typ	2.2 Typ
0624	330	100	17	16	12	4	6.9 Typ	7.6 Typ	3.0 Typ
0603/063T	330	100	17	16	12	4	6.9 Typ	7.6 Typ	3.2 Typ
0604	330	100	17	16	12	4	6.9 Typ	7.6 Typ	4.2 Typ
0605	330	100	17	16	12	4	6.9 Typ	7.6 Typ	5.4 Typ
0803	330	100	17	16	12	4	8.6 Typ	9.5 Typ	3.4 Typ
0805	330	100	17	16	12	4	8.6 Typ	9.5 Typ	5.4 Typ
1030	330	100	25	24	16	4	11 Typ	12.6 Typ	3.2 Typ
1040	330	100	25	24	16	4	11 Typ	12.6 Typ	4.2 Typ
1045	330	100	25	24	16	4	11 Typ	12.6 Typ	5.0 Typ
1050	330	100	25	24	16	4	11 Typ	12.6 Typ	5.3 Typ
1250	330	100	25	24	20	4	13.1 Typ	15 Typ	5.3 Typ
1265	330	100	25	24	20	4	13.1 Typ	15 Typ	6.7 Typ
1770	330	100	32	32	24	4	17.7 Typ	19.4 Typ	7.9 Typ
2213	330	100	44	44	32	4	22.5 Typ	23 Typ	13.6 Typ



# 包裝方式

## PACKING FOR SMD



產品編碼 P/N	PSPMAA0412~1265 Series	測試設備 TEST INSTRUMENT	Chroma 3302 16502
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

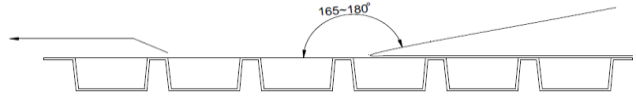
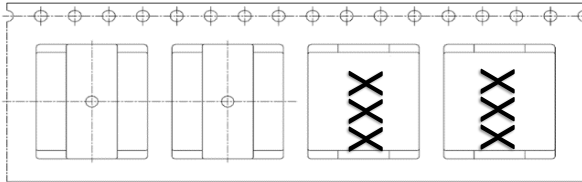
**載帶內產品排列方式:**  
Inductance Packing Method

**載帶剝離力:**  
Typical Pulling Force

**首字對孔**

The first mark is on the side of the gear hole

20~120 gf

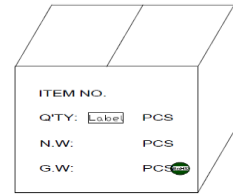
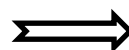
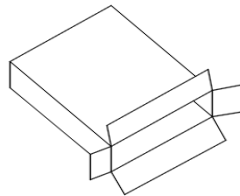
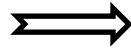
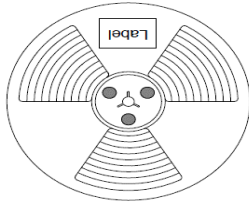


**裝箱數量:**  
Package Quantity

卷盤  
MPQ

內盒  
Middle box

外箱  
Outer box



系列 Series	卷盤 MPQ	內盒 Middle box	外箱 Outer box
201610	3000pcs	15000pcs	75000pcs
252010	3000pcs	15000pcs	75000pcs
252012	3000pcs	15000pcs	75000pcs
0410	5000pcs	15000pcs	45000pcs
0412	3000pcs	9000pcs	36000pcs
0402	2000pcs	6000pcs	24000pcs
0518	2000pcs	6000pcs	24000pcs
0502	2000pcs	6000pcs	24000pcs
0503	2000pcs	6000pcs	24000pcs
0610	3000pcs	9000pcs	27000pcs
0618	2000pcs	6000pcs	24000pcs
0602	2000pcs	6000pcs	24000pcs
0624	1000pcs	3000pcs	12000pcs
0603/063T	1000pcs	3000pcs	12000pcs
0604	1000pcs	3000pcs	12000pcs
0605	1000pcs	3000pcs	12000pcs
0803	1000pcs	3000pcs	12000pcs
0805	1000pcs	3000pcs	12000pcs
1030	800pcs	2400pcs	9600pcs
1040	800pcs	2400pcs	9600pcs
1045	800pcs	2400pcs	9600pcs
1050	800pcs	2400pcs	9600pcs
1250	500pcs	1500pcs	6000pcs
1265	500pcs	1500pcs	6000pcs
1770	300pcs	600pcs	2400pcs
2213	100pcs	100pcs	400pcs



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## 注意事項

使用本產品時，請注意以下事項

- ◎ 產品保存期限為12個月，保存條件：溫度5~40℃，濕度10~75%RH以內，超過保存期限可能會使產品端子電極發生氧化。
- ◎ 請勿在極端環境下使用和保存（高鹽，強酸，強鹼，強輻射等）。
- ◎ 產品焊接前，請進行預熱；預熱溫度與焊接溫度之間溫差建議控制在150℃以內。
- ◎ 產品焊接後需重新拆卸焊接修正時，請遵循規格書規定的條件範圍；過高的加熱溫度以及反復的拆卸可能會導致產品失效。
- ◎ 產品請勿接觸清洗劑，酒精等液體，這會侵蝕產品本體，從而導致產品失效。
- ◎ 產品焊接到線路板後，請注意不可因線路板整體變形或局部變形而施加給電感剩餘應力，這可能會導致電感發生破裂，脫落，以致失效。
- ◎ 產品通電後溫度會隨電流的增大而上升，設計時請務必考慮留有餘量。
- ◎ 過高的靜電會對產品產生永久性損害，請注意靜電防護。
- ◎ 產品通電過程請勿觸摸產品任何部位，防止觸電。
- ◎ 本產品作為磁性產品，設計時請務必考慮周邊元器件與本產品可能產生的相互影響。
- ◎ 本產品適用於一般電子設備，如：AV設備，通信設備，家電產品，娛樂設備，電腦設備，個人設備，辦公設備，計測設備，工業機器人等。且該一般電子設備需在常規的操作和使用方法環境下使用。對於需要高度安全性和可靠性的，或者因本產品失效造成設備故障，誤操作，運轉不良等危及到人的生命身體及財產安全，以及對社會產生較大不良影響的特殊用途，設計使用前務必同本公司溝通，設計使用者如在未取得我司書面同意狀況下使用造成任何後果，我司不予承擔。特殊用途包含但不限定如下清單：
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  - 4 發電控制設備
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  - 6 爆炸引燃控制設備
  - 7 交通控制設備
  - 8 關係到國防安全的設備
  - 9 防災賑災設備
  - 10 各種安規設備
  - 11 其他被認定為特殊用途的設備





## ANNOUNCEMENTS

Please read this before using the product.

- © The product storage life is 12 months, Storage Temperature: TEMP.5~40°C; RH10%~75%. Please use the product within the warranty period
- © Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, radiation etc.) .
- © Before soldering, be sure to preheat components:The preheating temperature should be set so that The temperature difference between the solder temperature and chip temperature does not exceed 150° C.
- © Soldering corrections after mounting should be within the range of the conditions determined in the specifications. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur. Repeated disassembly may invalidate the inductance
- © The cleaning agent can not be used for these products. This may corrode the inductor
- © When embedding a printed circuit board where a chip is mounted to a set, be sure that residual stress is not given to the chip due to the overall distortion of the printed circuit board and partial distortion such as at screw tightening portions.
- © Self heating (Rated Current or Irms) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- © Too high static electricity will cause permanent damage to the product, please pay attention to electrostatic protection.
- © As a magnetic product, the design must consider the possible interaction between peripheral components and the product.
- © The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.

The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property.

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- |  |  |
|--|--|
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| 3 Aerospace/aviation equipment                         | 10 Safety equipment  |
| 4 Power-generation control equipment                   | 11 Other applications that are not considered general-purpose applications |
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