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|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 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 power Inductor

產品編碼
Supply P/N

:

PSPMAA201610~2213 Series

發版號
Version

:

A3.0

承認日期
Endorsement Date

:

2022-11-18

備註
Note

:

| | |
|---|-------|
| 譜羅德電子科技（深圳）有限公司 PuLuoDe 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



| | | | |
|----------------|--------------------------|-------------------------|--|
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| Version | REVISION ITEM | BEFORE REVISION | AFTER REVISION | DATE |
|---------|---------------|-----------------|----------------|------------|
| A3.0 | First Version | | | 2022-11-18 |
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譜羅德電子科技（深圳）有限公司
PuLuoDe Electronic Technology (Shenzhen) Co., LTD
深圳市寶安區石岩三聯工業區B棟311

更多规格请访问谱罗德官方网站
下载或者扫描二维码通过微信小程序
获取
<https://www.prodtech.cn/>

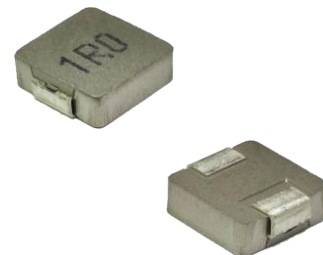


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产品特点

Features

- ☐ 更低的直流阻抗 (DCR) , 更高的额定电流
Low DCR High rated current
- ☐ 一体式结构有效避免电感啸叫
No gap structure to avoid inductor noise
- ☐ 闭磁结构有效降低电磁干扰
Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- ☐ 超小超薄的结构减少PCB的占用面积
Takes up less PCB real estate and save more power



編碼解釋

Code interpretation

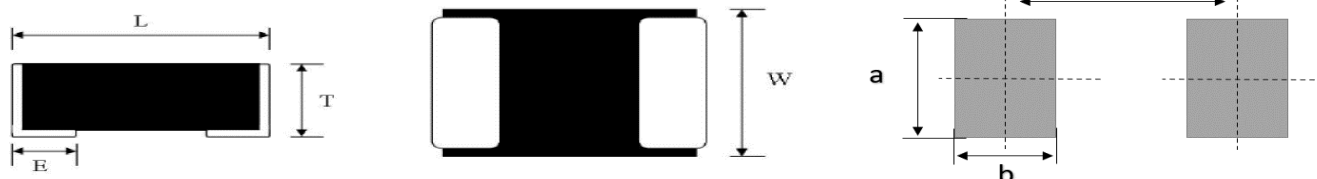
| | | | | | | | |
|---------------|-------------|---|------------|---|-----------|---|--------------|
| PSPMAA | 1040 | - | 4R7 | - | M | - | ANP |
| 类别码 | 尺寸系列 | | 系列码 | | 公差 | | 标识码 |
| Category code | Dimension | | Inductance | | Tolerance | | Other's code |

- ◎ 规格参数基于环境温度25℃取得
All test Data is referenced to 25℃ ambient
- ◎ 电感工作环境温度：-40℃ ~ 125℃
Operating temperature range -40℃ to +125℃
- ◎ 加载温升电流 (Irms) 会使电感温度上升大约 40℃ (电感初始温度+上升温度=电感最终温度)
Typical Irms would cause an approximately ΔT of 40℃
- ◎ 加载饱和电流 (ISAT) 会使感量下降大约30%
Typical ISAT would cause Lo to drop approximately 30%.
- ◎ 请从温升电流 (IRMS) 和饱和电流 (ISAT) 中选取一个最小值作为额定电流
Choose a minimum of IRMS and ISAT as the rated current
- ◎ 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，电感最終溫度不得超過125℃
The operating temperature of inductance do not exceed 125℃
- ◎ 使用電感時，請查閱第25頁注意事項
The announcements is on page 26



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封裝尺寸
Dimension (mm)



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|--------|-------------------|---------|--------|---|---------|----------------------|---------|---------|
| Series | L | W | T | 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 |
| 252010 | 2.5±0.2 | 2.0±0.2 | 1.0MAX | * | 0.6±0.3 | 2.0Typ | 0.8Typ | 2.0Typ |
| 252012 | 2.5±0.2 | 2.0±0.2 | 1.2MAX | * | 0.6±0.3 | 2.0Typ | 0.8Typ | 2.0Typ |

201610~252012 Series

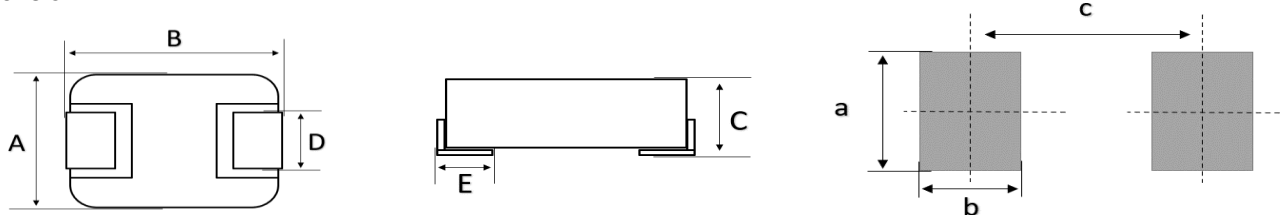
| 產品編碼 P/N | @ 25 °C Ambient Temperture | | | | | |
|----------------------|----------------------------|-----------|-----|------|----------------|----------------|
| | 感值 | 公差 | DCR | | 溫升電流 (IRMS) | 飽和電流 (ISAT) |
| | Inductance | Tolerance | mΩ | | A | A |
| | μH | ± | Typ | Max | ΔT≈40°C | L0 drop≈30% |
| PSPMAA201610-R24M-AU | 0.24 | 20% | 17 | 21 | 5.0 | 5.6 |
| PSPMAA201610-R33M-AU | 0.33 | 20% | 24 | 29 | 4.1 | 5.0 |
| PSPMAA201610-R47M-AU | 0.47 | 20% | 33 | 40 | 3.5 | 4.4 |
| PSPMAA201610-R68M-AU | 0.68 | 20% | 41 | 49 | 3.4 | 3.7 |
| PSPMAA201610-1R0M-AU | 1.00 | 20% | 60 | 69 | 2.6 | 2.9 |
| PSPMAA201610-1R5M-AU | 1.50 | 20% | 114 | 129 | 2.0 | 2.5 |
| PSPMAA201610-2R2M-AU | 2.20 | 20% | 135 | 150 | 1.7 | 1.9 |
| PSPMAA201610-4R7M-AU | 4.70 | 20% | 200 | 220 | 1.4 | 1.8 |
| <hr/> | | | | | | |
| PSPMAA252010-R22M-AU | 0.22 | 20% | 9 | 12.5 | 5.9 | 7.9 |
| PSPMAA252010-R33M-AU | 0.33 | 20% | 21 | 26 | 4.4 | 6.6 |
| PSPMAA252010-R47M-AU | 0.47 | 20% | 27 | 32 | 3.9 | 5.0 |
| PSPMAA252010-R68M-AU | 0.68 | 20% | 37 | 44 | 3.4 | 4.3 |
| PSPMAA252010-1R0M-AU | 1.00 | 20% | 45 | 54 | 3.0 | 3.5 |
| PSPMAA252010-1R5M-AU | 1.50 | 20% | 76 | 91 | 2.5 | 2.6 |
| PSPMAA252010-2R2M-AU | 2.20 | 20% | 99 | 119 | 2.3 | 2.4 |
| PSPMAA252010-4R7M-AU | 4.70 | 20% | 220 | 262 | 1.4 | 1.8 |
| <hr/> | | | | | | |
| PSPMAA252012-R68M-AU | 0.68 | 20% | 29 | 35 | 3.7 | 5.0 |
| PSPMAA252012-1R0M-AU | 1.00 | 20% | 41 | 49 | 3.5 | 4.4 |
| PSPMAA252012-1R5M-AU | 1.50 | 20% | 64 | 77 | 2.5 | 3.2 |
| PSPMAA252012-2R2M-AU | 2.20 | 20% | 85 | 98 | 2.3 | 3.0 |
| PSPMAA252012-4R7M-AU | 4.70 | 20% | 196 | 235 | 1.6 | 1.9 |

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封裝尺寸 (mm)

Dimension



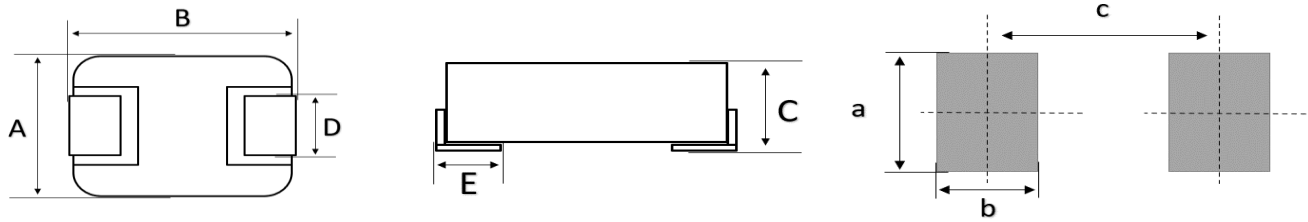
| 系列 Series | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|--------------|-------------------|----------|---------|---------|---------|----------------------|--------|---------|
| | A | B | C | D | E | a | b | c |
| 0302 | 3.2±0.3 | 3.4±0.3 | 2.0 Max | 1.2±0.3 | 0.7±0.3 | 1.8Typ | 1.1Typ | 1.9Typ |
| 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 |
| 0412 | 4.2±0.3 | 4.5±0.3 | 1.2MAX | 2.0±0.5 | 0.8±0.5 | 2.3Typ | 1.4Typ | 3.55Typ |

0302~0412 Series

| 產品編碼 P/N | @ 25 °C Ambient Temperature | | | | | |
|---------------------|-----------------------------|-----------|-----|------|----------------|----------------|
| | 感值 | 公差 | DCR | | 溫升電流 (IRMS) | 飽和電流 (ISAT) |
| | Inductance | Tolerance | mΩ | | A | A |
| | μH | ± | Typ | Max | ΔT≈40°C | L0 drop≈30% |
| PSPMAA0302-R33M-ANP | 0.33 | 20% | 18 | 21 | 8.0 | 10.0 |
| PSPMAA0302-R47M-ANP | 0.47 | 20% | 19 | 23 | 7.0 | 9.0 |
| PSPMAA0302-R68M-ANP | 0.68 | 20% | 25 | 29 | 5.5 | 7.0 |
| PSPMAA0302-1R0M-ANP | 1.0 | 20% | 32 | 38 | 4.0 | 5.0 |
| PSPMAA0302-1R5M-ANP | 1.5 | 20% | 45 | 50 | 3.8 | 4.0 |
| PSPMAA0302-2R2M-ANP | 2.2 | 20% | 67 | 75 | 3.5 | 3.7 |
| PSPMAA0302-3R3M-ANP | 3.3 | 20% | 130 | 145 | 3.0 | 3.5 |
| PSPMAA0302-4R7M-ANP | 4.7 | 20% | 184 | 200 | 2.0 | 3.0 |
| <hr/> | | | | | | |
| 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 |
| <hr/> | | | | | | |
| 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 |

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封裝尺寸 (mm)
Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|---------|--------|---------|---------|----------------------|--------|---------|
| | A | B | C | D | E | a | b | c |
| 0402 | 4.1±0.3 | 4.5±0.3 | 2.0MAX | 2.0±0.5 | 0.8±0.5 | 2.3Typ | 1.4Typ | 3.55Typ |

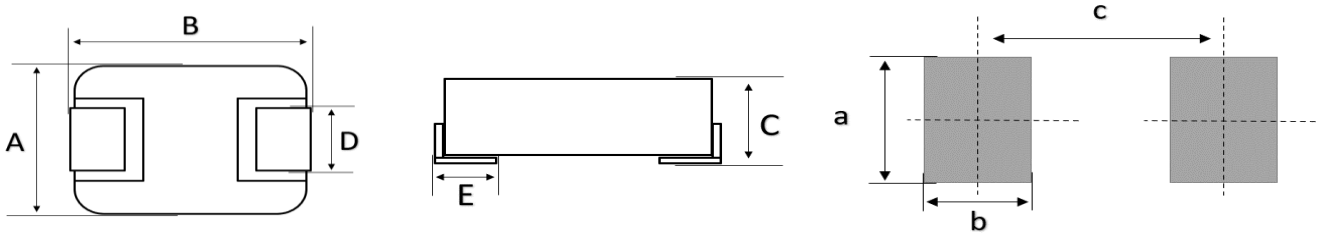
0402 Series

| 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% |
| 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 | 360 | 1.5 | 2 |
| PSPMAA0402-220M-ANP | 22.0 | 20% | 360 | 400 | 1.5 | 2 |



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封裝尺寸 (mm)
Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|---------|--------|---------|---------|----------------------|--------|------|
| | A | B | C | D | E | a | b | c |
| 0518 | 5.2±0.3 | 5.4±0.3 | 1.8MAX | 2.2±0.3 | 1.2±0.3 | 2.5Typ | 1.8Typ | 4Typ |

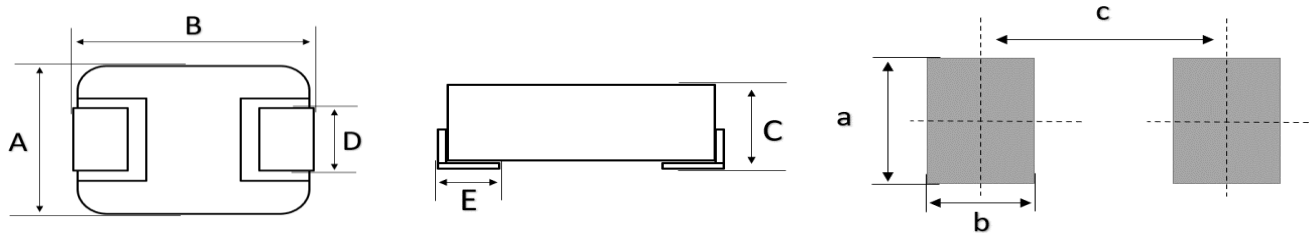
0518 Series

| 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% |
| 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 | 4.5 | 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 | 2.5 | 3 |
| PSPMAA0518-100M-ANP | 10.0 | 20% | 171 | 190 | 2.3 | 2.8 |



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封裝尺寸 (mm)
Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|---------|--------|---------|---------|----------------------|--------|------|
| | A | B | C | D | E | a | b | c |
| 0502 | 5.2±0.3 | 5.4±0.3 | 2.0MAX | 2.2±0.3 | 1.2±0.3 | 2.5Typ | 1.8Typ | 4Typ |

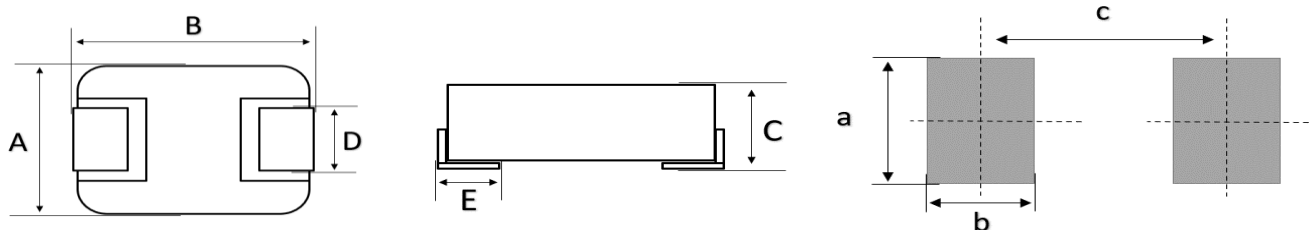
0502 Series

| 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% |
| 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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封裝尺寸 (mm)
Dimension



| 系列 Series | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|--------------|-------------------|---------|--------|---------|---------|----------------------|--------|------|
| | A | B | C | D | E | a | b | c |
| 0503 | 5.2±0.3 | 5.4±0.3 | 3.0MAX | 2.2±0.3 | 1.2±0.3 | 2.5Typ | 1.8Typ | 4Typ |

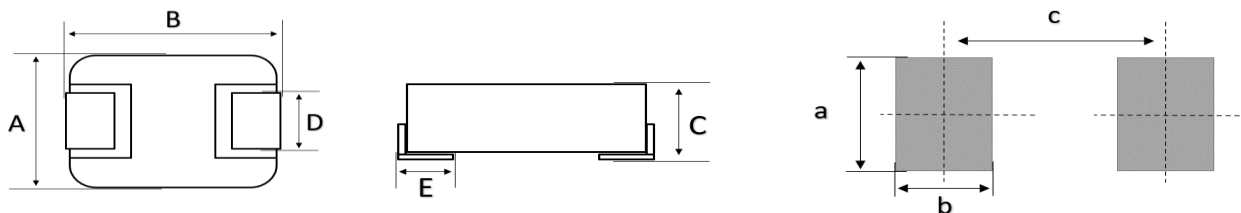
0503 Series

| 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 |
| PSPMAA0503-330M-ANP | 33.00 | 20% | 325.0 | 360.0 | 1.0 | 2.0 |



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸 Dimension (mm)



| 系列 Series | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|--------------|-------------------|---------|--------|----------|---------|----------------------|--------|--------|
| | A | B | C | D | E | a | b | c |
| 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 |
| 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 |
| 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 |

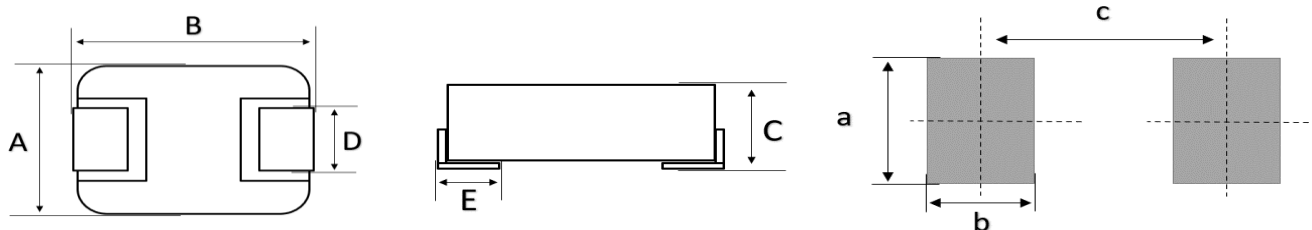
0610~0602 Series

| 產品編碼 P/N | @ 25 °C Ambient Temperature | | | | | |
|---------------------|-----------------------------|-----------------|-------|-------|--|---|
| | 感值 Inductance | 公差 Tolerance | DCR | | 溫升電流 (IRMS) A $\Delta T \approx 40^\circ C$ | 飽和電流 (ISAT) A L0 drop $\approx 30\%$ |
| | | | mΩ | | | |
| | μH | ± | Typ | Max | | |
| 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 | 5.5 | 11.5 |
| PSPMAA0618-2R2M-ANP | 2.20 | 20% | 40.3 | 46.0 | 4.8 | 10.0 |
| PSPMAA0618-3R3M-ANP | 3.30 | 20% | 44.0 | 49.0 | 4.6 | 6.8 |
| PSPMAA0618-4R7M-ANP | 4.70 | 20% | 76.6 | 78.0 | 3.0 | 6.0 |
| PSPMAA0602-R10M-ANP | 0.10 | 20% | 2.5 | 3.5 | 16.0 | 30.0 |
| PSPMAA0602-R33M-ANP | 0.33 | 20% | 5.6 | 6.8 | 13.0 | 24.0 |
| PSPMAA0602-R47M-ANP | 0.47 | 20% | 6.4 | 8.0 | 10.0 | 22.0 |
| PSPMAA0602-R68M-ANP | 0.68 | 20% | 10.0 | 12.7 | 7.5 | 14.0 |
| PSPMAA0602-1R0M-ANP | 1.00 | 20% | 16.0 | 19.2 | 7.0 | 12.0 |
| PSPMAA0602-1R5M-ANP | 1.50 | 20% | 26.0 | 32.0 | 5.5 | 10.0 |
| PSPMAA0602-2R2M-ANP | 2.20 | 20% | 32.0 | 36.0 | 5.0 | 9.0 |
| PSPMAA0602-3R3M-ANP | 3.30 | 20% | 65.0 | 78.0 | 4.5 | 7.0 |
| PSPMAA0602-4R7M-ANP | 4.70 | 20% | 73.0 | 88.0 | 3.5 | 5.0 |
| PSPMAA0602-6R8M-ANP | 6.80 | 20% | 114.0 | 140.0 | 3.0 | 4.0 |
| PSPMAA0602-100M-ANP | 10.00 | 20% | 147.0 | 180.0 | 2.0 | 3.5 |

| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸 (mm)

Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|---------|--------|---------|---------|----------------------|--------|--------|
| | A | B | C | D | E | a | b | c |
| 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 |

0624 Series

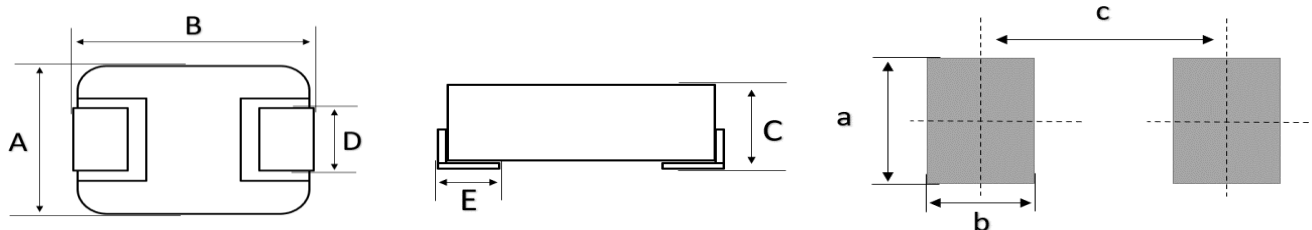
| 產品編碼 P/N | @ 25 °C Ambient Temperature | | | | | |
|----------------------|-----------------------------|-----------------|-------|-------|----------------|----------------|
| | 感值 Inductance | 公差 Tolerance | DCR | | 溫升電流 (IRMS) | 飽和電流 (ISAT) |
| | | | mΩ | | A | A |
| | μH | ± | Typ | Max | ΔT≈40°C | L0 drop≈30% |
| 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 | 4.0 | 5.0 |
| PSPMAA0624H-150M-ANP | 15.00 | 20% | 112.0 | 135.0 | 3.0 | 3.5 |
| PSPMAA0624H-220M-ANP | 22.00 | 20% | 187.0 | 200.0 | 2.5 | 3.0 |



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸 (mm)

Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|---------|--------|---------|---------|----------------------|--------|--------|
| | A | B | C | D | E | a | b | c |
| 0603 | 6.6±0.3 | 7.1±0.3 | 3.0MAX | 3.0±0.5 | 1.6±0.5 | 3.5Typ | 2.1Typ | 5.8Typ |

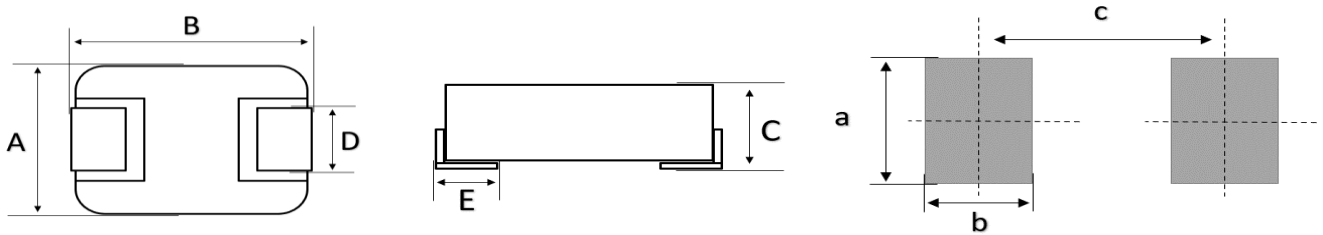
0603 Series

| 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-R10M-ANF | 0.10 | 20% | 1.5 | 1.7 | 32.0 | 60.0 |
| PSPMAA0603-R15M-ANF | 0.15 | 20% | 1.9 | 2.5 | 26.0 | 52.0 |
| PSPMAA0603-R22M-ANF | 0.22 | 20% | 2.5 | 2.8 | 23.0 | 40.0 |
| PSPMAA0603-R33M-ANF | 0.33 | 20% | 3.5 | 3.9 | 20.0 | 30.0 |
| PSPMAA0603-R47M-ANF | 0.47 | 20% | 4.0 | 4.2 | 17.5 | 26.0 |
| PSPMAA0603-R68M-ANF | 0.68 | 20% | 5.0 | 5.5 | 15.5 | 25.0 |
| PSPMAA0603-R82M-ANF | 0.82 | 20% | 6.7 | 8.0 | 13.0 | 24.0 |
| PSPMAA0603-1R0M-ANF | 1.00 | 20% | 9.0 | 10.0 | 11.0 | 22.0 |
| PSPMAA0603-1R5M-ANF | 1.50 | 20% | 14.0 | 15.0 | 9.0 | 18.0 |
| PSPMAA0603-2R2M-ANF | 2.20 | 20% | 18.0 | 20.0 | 8.0 | 14.0 |
| PSPMAA0603-3R3M-ANF | 3.30 | 20% | 26.0 | 30.0 | 6.0 | 13.5 |
| PSPMAA0603-4R7M-ANF | 4.70 | 20% | 37.0 | 40.0 | 5.5 | 10.0 |
| PSPMAA0603-6R8M-ANF | 6.80 | 20% | 54.0 | 60.0 | 4.5 | 8.0 |
| PSPMAA0603-8R2M-ANF | 8.20 | 20% | 70.0 | 90.0 | 4.0 | 7.5 |
| PSPMAA0603-100M-ANF | 10.00 | 20% | 62.0 | 68.0 | 4.5 | 5.0 |
| PSPMAA0603H-150M-ANF | 15.00 | 20% | 112.0 | 125.0 | 3.0 | 4.0 |
| PSPMAA0603H-220M-ANF | 22.00 | 20% | 135.0 | 150.0 | 3.0 | 3.5 |
| PSPMAA0603H-330M-ANF | 33.00 | 20% | 210.0 | 250.0 | 2.0 | 3.0 |
| PSPMAA0603H-470M-ANF | 47.00 | 20% | 324.0 | 370.0 | 1.8 | 3.0 |
| PSPMAA0603H-680M-IGP | 68.00 | 20% | 320.0 | 350.0 | 1.5 | 2.2 |
| PSPMAA0603H-101M-ANP | 100.00 | 20% | 830.0 | 870.0 | 1.2 | 1.7 |

| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸 (mm)

Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|---------|--------|---------|---------|----------------------|--------|--------|
| | A | B | C | D | E | a | b | c |
| 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 |

0604 Series

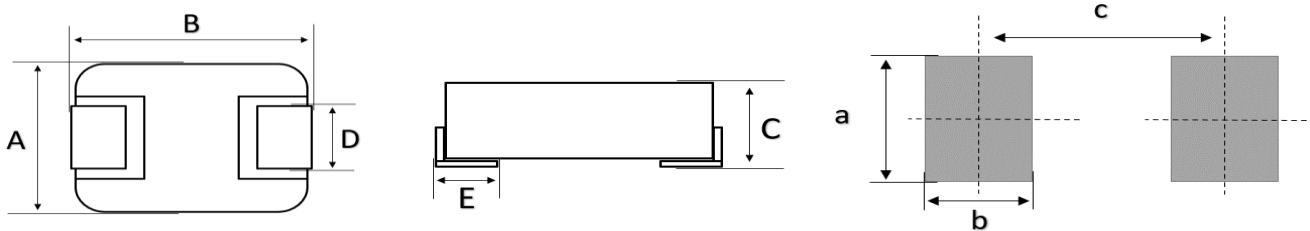
| 產品編碼 P/N | @ 25 °C Ambient Temperature | | | | | |
|----------------------|-----------------------------|-----------------|-------|-------|----------------|----------------|
| | 感值 Inductance | 公差 Tolerance | DCR | | 溫升電流 (IRMS) | 飽和電流 (ISAT) |
| | | | mΩ | | A | A |
| | μH | ± | Typ | Max | ΔT≈40°C | L0 drop≈30% |
| 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 | 4.0 | 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 | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸 (mm)

Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|---------|--------|---------|---------|----------------------|--------|--------|
| | A | B | C | D | E | a | b | c |
| 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 |

0605 Series

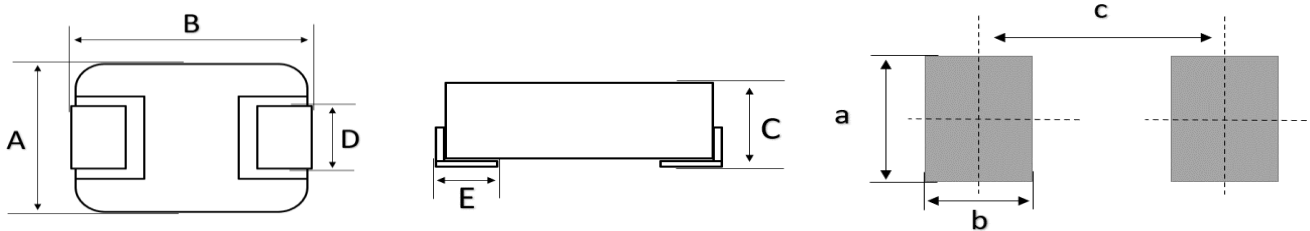
| 產品編碼 P/N | @ 25 °C Ambient Temperture | | | | | |
|----------------------|----------------------------|-----------------|-------|-------|----------------|----------------|
| | 感值 Inductance | 公差 Tolerance | DCR | | 溫升電流 (IRMS) | 飽和電流 (ISAT) |
| | | | mΩ | | A | A |
| | μH | ± | Typ | Max | ΔT≈40°C | L0 drop≈30% |
| PSPMAA0605H-R47M-ANP | 0.47 | 20% | 2.9 | 3.9 | 21.0 | 27.0 |
| PSPMAA0605H-R68M-ANP | 0.68 | 20% | 3.8 | 4.4 | 18.0 | 26.0 |
| PSPMAA0605H-1R0M-ANP | 1.00 | 20% | 5.2 | 6.7 | 11.0 | 18.0 |
| PSPMAA0605H-1R5M-ANP | 1.50 | 20% | 7.3 | 8.7 | 10.5 | 17.0 |
| PSPMAA0605H-2R2M-ANP | 2.20 | 20% | 10.0 | 13.5 | 10.0 | 15.0 |
| PSPMAA0605H-3R3M-ANP | 3.30 | 20% | 14.0 | 22.9 | 8.0 | 13.0 |
| PSPMAA0605H-4R7M-ANP | 4.70 | 20% | 18.0 | 22.0 | 7.0 | 12.0 |
| PSPMAA0605H-6R8M-ANP | 6.80 | 20% | 26.5 | 32.0 | 6.0 | 10.0 |
| PSPMAA0605H-100M-ANP | 10.00 | 20% | 43.0 | 50.0 | 4.5 | 9.0 |
| PSPMAA0605H-150M-ANP | 15.00 | 20% | 63.0 | 80.0 | 4.0 | 7.0 |
| PSPMAA0605H-220M-ANP | 22.00 | 20% | 110.0 | 135.0 | 3.0 | 5.0 |
| PSPMAA0605H-330M-ANP | 33.00 | 20% | 160.0 | 180.0 | 2.5 | 4.0 |
| PSPMAA0605H-470M-ANP | 47.00 | 20% | 252.0 | 295.0 | 2.0 | 3.5 |
| PSPMAA0605H-680M-IGF | 68.00 | 20% | 232.0 | 256.0 | 2.0 | 2.5 |
| PSPMAA0605H-820M-IGF | 82.00 | 20% | 320.0 | 360.0 | 1.8 | 2.0 |
| PSPMAA0605H-101M-IGF | 100.00 | 20% | 357.0 | 400.0 | 1.7 | 2.0 |



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸 (mm)

Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|---------|--------|---------|-----------|----------------------|--------|--------|
| | A | B | C | D | E | a | b | c |
| 0803 | 8.0±0.3 | 8.5±0.5 | 3.0MAX | 3.0±0.3 | 1.8 ± 0.5 | 3.5 Typ | 2.4Typ | 6.9Typ |

0803 Series

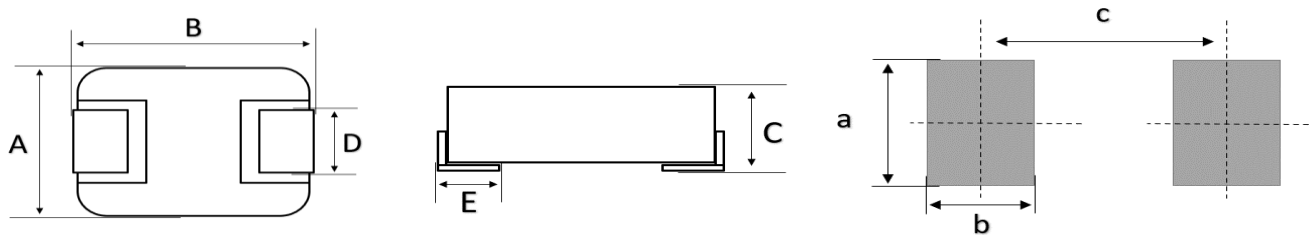
| 產品編碼 P/N | @ 25 °C Ambient Temperture | | | | | |
|----------------------|----------------------------|-----------------|------|-------|----------------|----------------|
| | 感值 Inductance | 公差 Tolerance | DCR | | 溫升電流 (IRMS) | 飽和電流 (ISAT) |
| | | | mΩ | | A | A |
| | μH | ± | Typ | Max | ΔT≈40°C | 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% | 5.5 | 6.2 | 10.0 | 22.0 |
| PSPMAA0803H-1R5M-ANP | 1.50 | 20% | 6 | 8.0 | 10.0 | 14.0 |
| PSPMAA0803H-2R2M-ANP | 2.20 | 20% | 10 | 13.0 | 8.5 | 13.0 |
| PSPMAA0803H-3R3M-ANP | 3.30 | 20% | 15 | 17.0 | 8.0 | 12.0 |
| PSPMAA0803H-4R7M-ANP | 4.70 | 20% | 28 | 32.0 | 6.5 | 11.0 |
| PSPMAA0803H-5R6M-ANP | 5.60 | 20% | 33 | 37.0 | 5.8 | 10.0 |
| PSPMAA0803H-6R8M-ANP | 6.80 | 20% | 48 | 53.0 | 5.2 | 9.0 |
| PSPMAA0803H-100M-ANP | 10.00 | 20% | 54 | 60.0 | 5.0 | 7.0 |
| PSPMAA0803H-150M-ANP | 15.00 | 20% | 92 | 106.0 | 3.5 | 6.0 |
| PSPMAA0803H-220M-ANP | 22.00 | 20% | 104 | 130.0 | 3.0 | 5.0 |
| PSPMAA0803H-330M-ANP | 33.00 | 20% | 156 | 180.0 | 2.5 | 4.0 |
| PSPMAA0803H-470M-ANP | 47.00 | 20% | 280 | 310.0 | 2.0 | 3.5 |



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸 (mm)

Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|---------|--------|---------|-----------|----------------------|--------|--------|
| | A | B | C | D | E | a | b | c |
| 0805 | 8.0±0.3 | 8.5±0.5 | 5.0MAX | 3.0±0.3 | 1.8 ± 0.5 | 3.5 Typ | 2.4Typ | 6.9Typ |

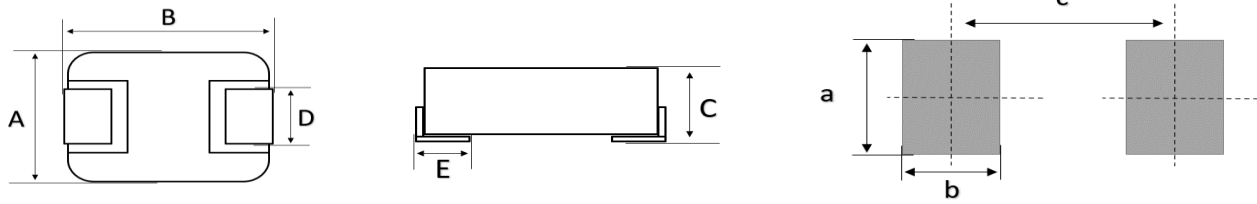
0805 Series

| 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 | 172.00 | 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 | 230.00 | 2.2 | 4.0 |
| PSPMAA0805-101M-ANP | 100.00 | 20% | 272.00 | 300.00 | 2.0 | 3.0 |



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸
Dimension (mm)



| 系列 Series | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|--------------|-------------------|----------|--------|---------|---------|----------------------|--------|--------|
| | A | B | C | D | E | a | b | c |
| 1030 | 10.0±0.5 | 11.0±0.5 | 3.0MAX | 3.0±0.5 | 2.0±0.5 | 4.0 Typ | 3.5Typ | 9.5Typ |

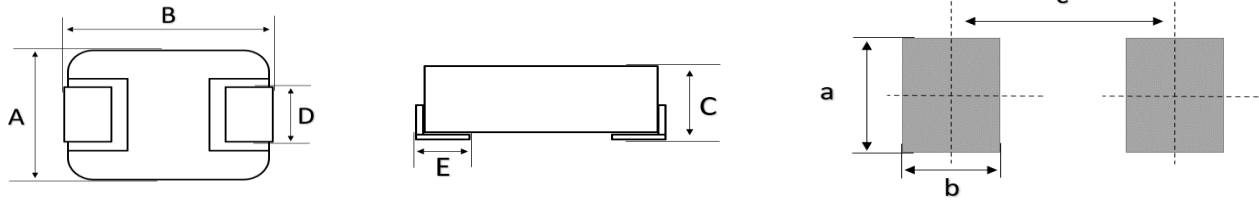
1030 Series

| 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% |
| PSPMAA1030-R22M-ANP | 0.22 | 20% | 0.7 | 1.0 | 35.0 | 55.0 |
| PSPMAA1030-R33M-ANP | 0.36 | 20% | 0.7 | 1.0 | 33.0 | 50.0 |
| PSPMAA1030-R47M-ANP | 0.47 | 20% | 1.2 | 1.5 | 28.0 | 45.0 |
| PSPMAA1030-R56M-ANP | 0.56 | 20% | 1.2 | 1.5 | 27.0 | 40.0 |
| PSPMAA1030-R68M-ANP | 0.68 | 20% | 2.0 | 2.3 | 25.0 | 37.0 |
| PSPMAA1030-R82M-ANP | 0.82 | 20% | 2.0 | 2.5 | 24.0 | 32.0 |
| PSPMAA1030-1R0M-ANP | 1.00 | 20% | 3.0 | 4.5 | 18.0 | 29.0 |
| PSPMAA1030-1R5M-ANP | 1.50 | 20% | 4.0 | 6.0 | 16.0 | 24.0 |
| PSPMAA1030-2R2M-ANP | 2.20 | 20% | 7.0 | 9.0 | 12.0 | 21.0 |
| PSPMAA1030-3R3M-ANP | 3.30 | 20% | 11.0 | 14.0 | 10.0 | 16.0 |
| PSPMAA1030-4R7M-ANP | 4.70 | 20% | 14.0 | 17.0 | 9.5 | 14.0 |
| PSPMAA1030-5R6M-ANP | 5.60 | 20% | 17.0 | 21.0 | 8.5 | 12.0 |
| PSPMAA1030-6R8M-ANP | 6.80 | 20% | 21.0 | 25.0 | 8.0 | 11.0 |
| PSPMAA1030-8R2M-ANP | 8.20 | 20% | 23.0 | 27.0 | 7.5 | 10.0 |
| PSPMAA1030-100M-ANP | 10.00 | 20% | 30.0 | 35.0 | 7.0 | 9.0 |
| PSPMAA1030-150M-ANP | 15.00 | 20% | 42.0 | 50.0 | 6.0 | 8.0 |
| PSPMAA1030-220M-ANP | 22.00 | 20% | 50.0 | 60.0 | 5.0 | 9.0 |
| PSPMAA1030-330M-ANP | 33.00 | 20% | 75.0 | 90.0 | 4.5 | 7.5 |
| PSPMAA1030-470M-ANP | 47.00 | 20% | 120.0 | 140.0 | 4.0 | 6.5 |
| PSPMAA1030-680M-ANP | 68.00 | 20% | 180.0 | 210.0 | 2.5 | 4.0 |
| PSPMAA1030-101M-ANP | 100.00 | 20% | 320.0 | 350.0 | 2.0 | 3.0 |



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸
Dimension (mm)



| 系列 Series | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|--------------|-------------------|----------|--------|---------|-----------|----------------------|--------|--------|
| | A | B | C | D | E | a | b | c |
| 1040 | 10.0±0.5 | 11.0±0.5 | 4.0MAX | 3.0±0.5 | 2.0 ± 0.5 | 4.0 Typ | 3.5Typ | 9.5Typ |
| 1045 | 10.0±0.5 | 11.0±0.5 | 4.5MAX | 3.0±0.5 | 2.0 ± 0.5 | 4.0 Typ | 3.5Typ | 9.5Typ |

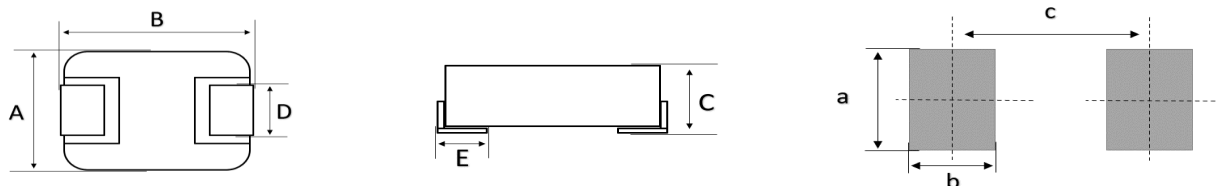
1040~1045 Series

| 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% |
| PSPMAA1040-R22M-ANP | 0.22 | 20% | 0.7 | 0.9 | 38.0 | 62.0 |
| PSPMAA1040-R36M-ANP | 0.36 | 20% | 0.7 | 0.8 | 33.0 | 53.0 |
| PSPMAA1040-R47M-ANP | 0.47 | 20% | 1.3 | 1.5 | 28.0 | 47.0 |
| PSPMAA1040-R56M-ANP | 0.56 | 20% | 1.3 | 1.5 | 27.0 | 43.0 |
| PSPMAA1040-R68M-ANP | 0.68 | 20% | 2.0 | 2.3 | 25.0 | 40.0 |
| PSPMAA1040-1R0M-ANP | 1.00 | 20% | 2.5 | 3.0 | 19.0 | 32.0 |
| PSPMAA1040-1R5M-ANP | 1.50 | 20% | 3.5 | 4.0 | 18.0 | 26.0 |
| PSPMAA1040-2R2M-ANP | 2.20 | 20% | 5.9 | 6.5 | 14.0 | 24.0 |
| PSPMAA1040-3R3M-ANP | 3.30 | 20% | 9.5 | 11.0 | 11.0 | 18.0 |
| PSPMAA1040-4R7M-ANP | 4.70 | 20% | 12.0 | 13.5 | 10.0 | 15.0 |
| PSPMAA1040-5R6M-ANP | 5.60 | 20% | 15.2 | 16.8 | 9.0 | 14.0 |
| PSPMAA1040-6R8M-ANP | 6.80 | 20% | 19.0 | 20.1 | 8.5 | 13.0 |
| PSPMAA1040-8R2M-ANP | 8.20 | 20% | 22.0 | 25.0 | 7.5 | 11.0 |
| PSPMAA1040-100M-ANP | 10.00 | 20% | 29.5 | 33.0 | 7.0 | 10.0 |
| PSPMAA1040-150M-ANP | 15.00 | 20% | 37.0 | 41.0 | 6.7 | 8.0 |
| PSPMAA1040-220M-ANP | 22.00 | 20% | 55.0 | 60.0 | 6.0 | 6.5 |
| PSPMAA1040-330M-ANP | 33.00 | 20% | 79.0 | 87.0 | 5.0 | 6.0 |
| PSPMAA1040-470M-ANP | 47.00 | 20% | 118.0 | 139.0 | 4.0 | 5.5 |
| PSPMAA1040-560M-ANP | 56.00 | 20% | 150.0 | 170.0 | 3.5 | 5.0 |
| PSPMAA1040-680M-ANP | 68.00 | 20% | 175.0 | 200.0 | 3.0 | 4.0 |
| PSPMAA1040-820M-ANP | 82.00 | 20% | 210.0 | 240.0 | 2.8 | 3.5 |
| PSPMAA1040-101M-ANP | 100.00 | 20% | 249.0 | 270.0 | 2.5 | 3.0 |
| PSPMAA1045H-220M-ANP | 22.00 | 20% | 60.0 | 72.0 | 4.0 | 6.0 |
| PSPMAA1045H-470M-ANP | 47.00 | 20% | 136.0 | 164.0 | 3.5 | 4.5 |
| PSPMAA1045H-680M-ANP | 68.00 | 20% | 155.0 | 230.0 | 2.5 | 4.5 |
| PSPMAA1045H-101M-ANP | 100.00 | 20% | 250.0 | 300.0 | 2.0 | 4.0 |



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸
Dimension (mm)



| 系列 Series | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|--------------|-------------------|----------|--------|---------|-----------|----------------------|--------|---------|
| | A | B | C | D | E | a | b | c |
| 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 |
| 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 |

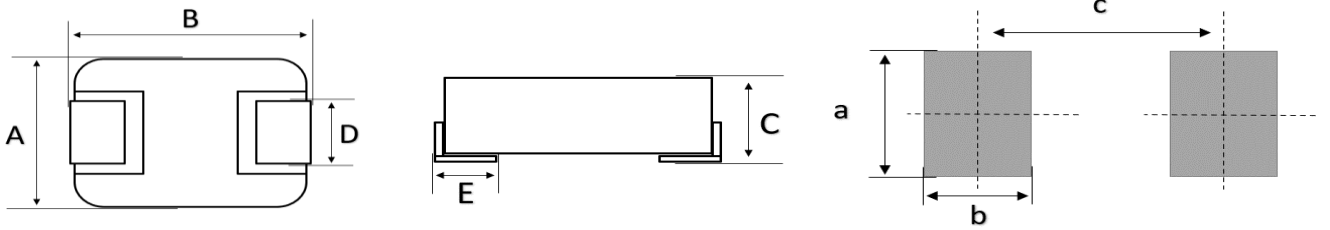
1050~1250 Series

| 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% |
| PSPMAA1050H-1R0M-ANP | 1.00 | 20% | 2.3 | 2.8 | 19.0 | 32.0 |
| PSPMAA1050H-1R5M-ANP | 1.50 | 20% | 2.4 | 2.9 | 18.0 | 30.0 |
| PSPMAA1050H-2R2M-ANP | 2.20 | 20% | 5.2 | 7.0 | 15.0 | 24.0 |
| PSPMAA1050H-3R3M-ANP | 3.30 | 20% | 6.0 | 8.0 | 11.0 | 18.0 |
| PSPMAA1050H-4R7M-ANP | 4.70 | 20% | 12.0 | 14.0 | 10.0 | 15.0 |
| PSPMAA1050H-6R8M-ANP | 6.80 | 20% | 19.0 | 23.0 | 8.0 | 13.0 |
| PSPMAA1050H-8R2M-ANP | 8.20 | 20% | 23.5 | 35.0 | 7.5 | 14.0 |
| PSPMAA1050H-100M-ANP | 10.00 | 20% | 29.0 | 35.0 | 7.0 | 12.0 |
| PSPMAA1050H-150M-ANP | 15.00 | 20% | 36.0 | 45.0 | 6.7 | 8.0 |
| PSPMAA1050H-220M-ANP | 22.00 | 20% | 55.0 | 65.0 | 6.0 | 7.5 |
| PSPMAA1050H-330M-ANP | 33.00 | 20% | 70.0 | 90.0 | 5.0 | 7.0 |
| PSPMAA1050H-470M-ANP | 47.00 | 20% | 115.0 | 135.0 | 4.0 | 5.5 |
| PSPMAA1050H-560M-ANP | 56.00 | 20% | 130.0 | 150.0 | 4.0 | 5.0 |
| PSPMAA1050H-680M-ANP | 68.00 | 20% | 155.0 | 170.0 | 3.5 | 5.0 |
| PSPMAA1050H-101M-ANP | 100.00 | 20% | 240.0 | 260.0 | 3.0 | 4.0 |
| PSPMAA1050H-151M-ANP | 150.00 | 20% | 250.0 | 280.0 | 3.0 | 2.5 |
| | | | | | | |
| PSPMAA1250H-R10M-ANP | 0.10 | 20% | 0.55 | 0.6 | 55.0 | 120.0 |
| PSPMAA1250H-R22M-ANP | 0.22 | 20% | 0.7 | 0.8 | 51.0 | 110.0 |
| PSPMAA1250H-R33M-ANP | 0.33 | 20% | 0.9 | 1.1 | 42.0 | 80.0 |
| PSPMAA1250H-R47M-ANP | 0.47 | 20% | 1.05 | 1.2 | 40.0 | 65.0 |
| PSPMAA1250H-R68M-ANP | 0.68 | 20% | 1.2 | 1.4 | 35.0 | 54.0 |
| PSPMAA1250H-1R0M-ANP | 1.00 | 20% | 1.9 | 2.2 | 28.0 | 50.0 |
| PSPMAA1250H-1R5M-ANP | 1.50 | 20% | 2.5 | 2.9 | 24.0 | 36.0 |
| PSPMAA1250H-2R2M-ANP | 2.20 | 20% | 4 | 4.5 | 16.0 | 32.0 |
| PSPMAA1250H-3R3M-ANP | 3.30 | 20% | 5 | 6 | 15.0 | 30.0 |
| PSPMAA1250H-4R7M-ANP | 4.70 | 20% | 6.8 | 8 | 14.0 | 22.0 |
| PSPMAA1250H-6R8M-ANP | 6.80 | 20% | 15 | 17 | 12.0 | 21.0 |
| PSPMAA1250H-100M-ANP | 10.00 | 20% | 24 | 28 | 8.0 | 16.0 |
| PSPMAA1250H-150M-ANP | 15.00 | 20% | 29.5 | 34 | 7.5 | 10.0 |
| PSPMAA1250H-220M-ANP | 22.00 | 20% | 46 | 52 | 7.0 | 8.0 |
| PSPMAA1250H-330M-ANP | 33.00 | 20% | 63 | 70 | 6.0 | 7.0 |
| PSPMAA1250H-470M-ANP | 47.00 | 20% | 100 | 110 | 5.0 | 6.0 |
| PSPMAA1250H-560M-ANP | 47.00 | 20% | 122 | 140 | 4.5 | 6.0 |
| PSPMAA1250H-680M-ANP | 47.00 | 20% | 145 | 160 | 4.0 | 5.0 |
| PSPMAA1250H-101M-ANP | 47.00 | 20% | 210 | 230 | 3.0 | 4.0 |



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸
Dimension (mm)



| 系列 Series | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|--------------|-------------------|----------|--------|---------|---------|----------------------|-----|----|
| | A | B | C | D | E | a | b | c |
| 1265 | 12.8±0.5 | 13.2±1.0 | 6.5MAX | 3.5±0.5 | 2.5±0.5 | 4.5 | 3.5 | 10 |
| 1275 | 12.8±0.5 | 13.2±1.0 | 7.5MAX | 4.7±0.5 | 2.5±0.5 | 5.2 | 3.5 | 10 |

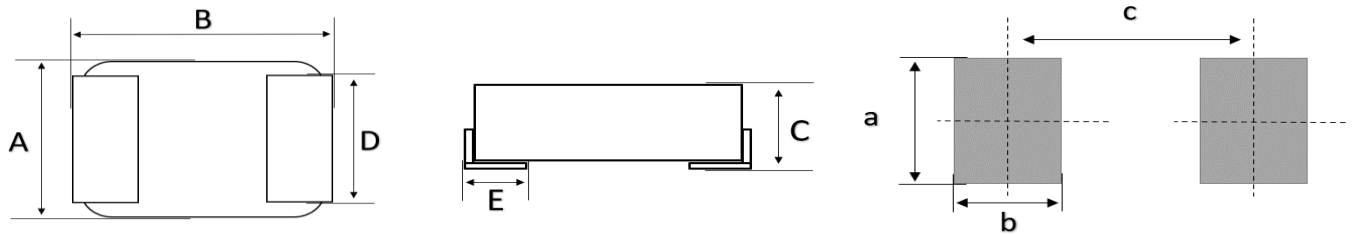
1265 Series

| 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% |
| PSPMAA1265H-R22M-ANF | 0.22 | 20% | 0.4 | 0.5 | 53.0 | 75.0 |
| PSPMAA1265H-R33M-ANF | 0.33 | 20% | 0.49 | 0.65 | 46.0 | 62.0 |
| PSPMAA1265H-R47M-ANF | 0.47 | 20% | 0.67 | 0.8 | 42.0 | 60.0 |
| PSPMAA1265H-R68M-ANF | 0.68 | 20% | 0.85 | 1.1 | 36.0 | 55.0 |
| PSPMAA1265H-1R0M-ANF | 1.00 | 20% | 1.6 | 2 | 23.0 | 40.0 |
| PSPMAA1265H-1R5M-ANF | 1.50 | 20% | 1.87 | 2.7 | 23.0 | 32.0 |
| PSPMAA1265H-2R2M-ANF | 2.20 | 20% | 3.2 | 4.2 | 18.0 | 27.0 |
| PSPMAA1265H-3R3M-ANF | 3.30 | 20% | 4.9 | 5.7 | 16.0 | 25.0 |
| PSPMAA1265H-4R7M-ANF | 4.70 | 20% | 6.7 | 8 | 14.0 | 25.0 |
| PSPMAA1265H-6R8M-ANF | 6.80 | 20% | 10.6 | 13 | 13.0 | 21.0 |
| PSPMAA1265H-8R2M-ANF | 8.20 | 20% | 12 | 15 | 10.0 | 19.0 |
| PSPMAA1265H-100M-ANF | 10.00 | 20% | 15.5 | 18 | 11.0 | 17.0 |
| PSPMAA1265H-150M-ANF | 15.00 | 20% | 24 | 28 | 9.5 | 13.0 |
| PSPMAA1265H-220M-ANF | 22.00 | 20% | 29 | 36 | 8.0 | 9.0 |
| PSPMAA1265H-330M-ANF | 33.0 | 20% | 45 | 50 | 7.0 | 8.0 |
| PSPMAA1265H-470M-ANF | 47.0 | 20% | 68 | 75 | 6.0 | 7.0 |
| PSPMAA1265H-680M-ANF | 68.0 | 20% | 101 | 110 | 5.0 | 5.5 |
| PSPMAA1265H-820M-ANF | 82.0 | 20% | 123 | 140 | 4.5 | 5.0 |
| PSPMAA1265H-101M-ANF | 100.0 | 20% | 135 | 150 | 4.0 | 5.0 |
| PSPMAA1265H-151M-IGP | 150.0 | 20% | 180 | 210 | 3.5 | 4.5 |
| PSPMAA1207H-221M-CBF | 220.0 | 20% | 290 | 320 | 3.0 | 5.0 |

| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸 (mm)

Dimension



| 系列 Series | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|--------------|-------------------|-----------|--------|-----------|----------|----------------------|--------|---------|
| | A | B | C | D | E | a | b | c |
| 1770 | 17.0±0.5 | 17.50±1.0 | 7.0MAX | 11.94±0.3 | 2.50±0.5 | 13Typ | 3.1Typ | 14.8Typ |

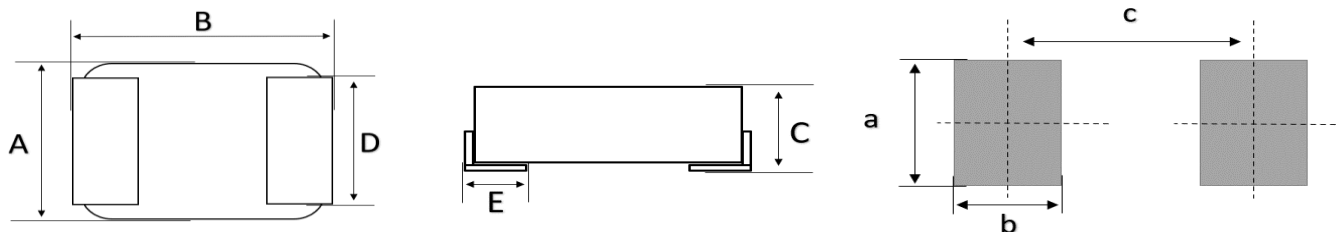
1770 Series

| 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% |
| PSPMAA1770-1R0M-IGP | 1.0 | 20% | 1.27 | 1.4 | 55.5 | 73.0 |
| PSPMAA1770-1R5M-IGP | 1.5 | 20% | 1.65 | 1.9 | 48.0 | 65.0 |
| PSPMAA1770-2R2M-IGP | 2.2 | 20% | 2.33 | 2.6 | 35.0 | 62.0 |
| PSPMAA1770-3R3M-IGP | 3.3 | 20% | 3.75 | 4.2 | 28.0 | 54.0 |
| PSPMAA1770-4R7M-IGP | 4.7 | 20% | 4.30 | 5.2 | 25.0 | 41.0 |
| PSPMAA1770-5R6M-IGP | 5.6 | 20% | 5.20 | 7 | 21.0 | 40.0 |
| PSPMAA1770-6R8M-IGP | 6.8 | 20% | 7.00 | 8.5 | 19.0 | 35.0 |
| PSPMAA1770-8R2M-IGP | 8.2 | 20% | 8.4 | 10.7 | 18.0 | 25.0 |
| PSPMAA1770-100M-IGP | 10.0 | 20% | 9.1 | 12 | 16.5 | 25.0 |
| PSPMAA1770-100M-IGP | 10.0 | 20% | 8.9 | 10 | 19.0 | 21.0 |
| PSPMAA1770-150M-IGP | 15.0 | 20% | 17.5 | 20 | 14.0 | 25.0 |
| PSPMAA1770-220M-IGP | 22.0 | 20% | 23.0 | 27 | 11.0 | 23.0 |
| PSPMAA1770-330M-IGP | 33.0 | 20% | 31.5 | 38 | 10.5 | 13.0 |
| PSPMAA1770-470M-IGP | 47.0 | 20% | 40.0 | 46 | 6.5 | 11.0 |
| PSPMAA1770-560M-IGP | 56.0 | 20% | 47.0 | 52 | 8.0 | 10.0 |
| PSPMAA1770-680M-IGP | 68.0 | 20% | 53.0 | 60 | 8.0 | 8.0 |
| PSPMAA1770-820M-IGP | 82.0 | 20% | 90.0 | 110 | 6.5 | 8.0 |
| PSPMAA1770-101M-IGP | 100.0 | 20% | 96.0 | 110 | 6.0 | 7.0 |
| PSPMAA1770-151M-IGP | 150.0 | 20% | 165.0 | 186 | 4.0 | 5.0 |
| PSPMAA1770-221M-IGP | 220.0 | 20% | 230.0 | 260 | 2.0 | 4.0 |



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

封裝尺寸 (mm)
Dimension



| 系列 | 封裝尺寸 Dimension | | | | | 焊盤尺寸 Land Pattern | | |
|------|-------------------|----------|---------|----------|---------|----------------------|--------|-------|
| | A | B | C | D | E | a | b | c |
| 2213 | 22.0±0.5 | 22.5±0.5 | 13.0Max | 18.6±0.3 | 5.0±0.5 | 19Typ | 6.0Typ | 18Typ |

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% |
| PSPMAA2213-1R5M-CGF | 1.5 | 20% | 1.00 | 1.15 | 52.0 | 62.0 |
| PSPMAA2213-2R0M-CGF | 2.0 | 20% | 1.02 | 1.20 | 50.0 | 60.0 |
| PSPMAA2213-2R2M-CGF | 2.2 | 20% | 1.05 | 1.25 | 48.0 | 58.0 |
| PSPMAA2213-3R0M-CGF | 3.0 | 20% | 1.42 | 1.64 | 44.0 | 51.0 |
| PSPMAA2213-3R3M-CGF | 3.3 | 20% | 1.50 | 1.75 | 41.0 | 49.0 |
| PSPMAA2213-4R7M-CGF | 4.7 | 20% | 1.90 | 2.20 | 38.0 | 47.0 |
| PSPMAA2213-6R8M-CGF | 6.8 | 20% | 2.70 | 3.10 | 36.0 | 40.0 |
| PSPMAA2213-100M-CGF | 10.0 | 20% | 3.80 | 4.15 | 28.0 | 33.0 |
| PSPMAA2213-220M-CGF | 22.0 | 20% | 9.20 | 11.00 | 15.0 | 22.0 |
| PSPMAA2213-230M-CGF | 23.0 | 20% | 9.20 | 11.00 | 15.0 | 22.0 |
| PSPMAA2213-330M-CGF | 33.0 | 20% | 13.50 | 15.40 | 12.0 | 19.0 |
| PSPMAA2213-470M-CGF | 47.0 | 20% | 17.30 | 20.80 | 12.0 | 17.0 |
| PSPMAA2213-680M-CGF | 68.0 | 20% | 26.20 | 29.50 | 12.0 | 14.0 |
| PSPMAA2213-750M-CGF | 75.0 | 20% | 27.50 | 31.60 | 10.5 | 13.0 |
| PSPMAA2213-820M-CGF | 82.0 | 20% | 31.00 | 34.20 | 9.0 | 12.0 |
| PSPMAA2213-101M-CGF | 100.0 | 20% | 36.00 | 40.00 | 9.0 | 11.0 |

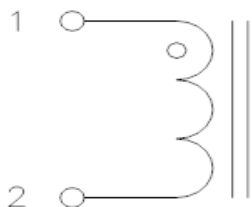


特性 CHARACTERISTICS



| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

電路結構 Connections



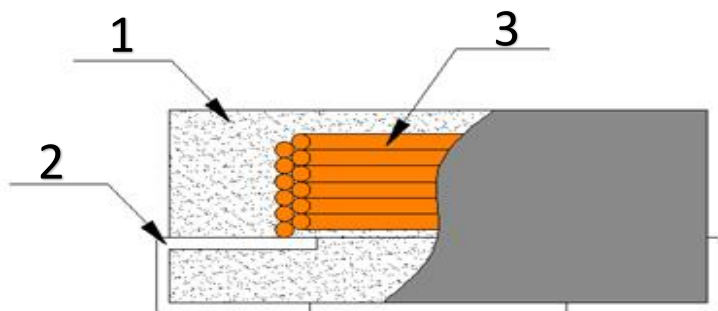
- ◎ 電感內置一組線圈
Inductor Contents one (1) Set(s) of Coil

实物图示 Picture



- ◎ 0410以下尺寸顶部不喷码印字
Size 201610~0410 series no marking

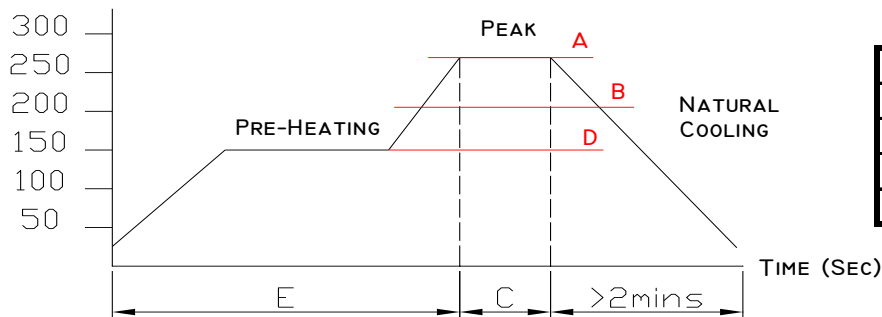
产品结构 Product Structure



- 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 | PSPMAA201610~2213 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 0302~2213: 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/s2 (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

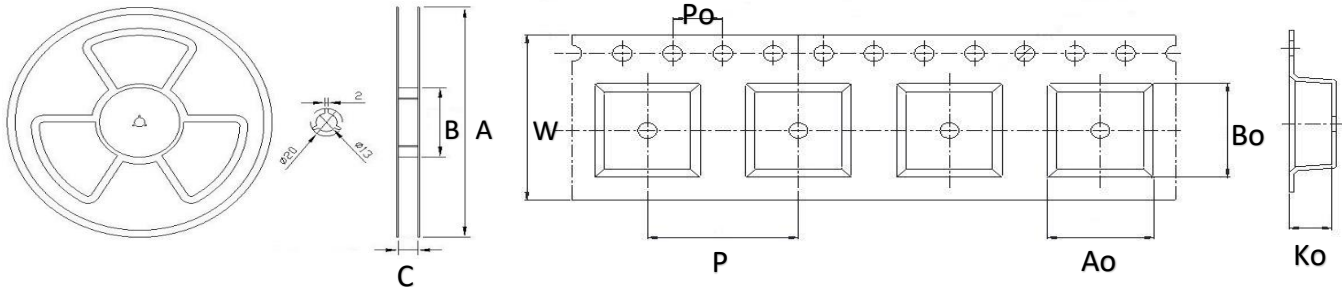
Aging Reliability

| 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 | PSPMAA201610~2213 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 0302~2213: 100KHZ / 1V |

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 |
| 0302 | 330 | 100 | 12 | 12 | 8 | 4 | 3.3 Typ | 3.3 Typ | 2.2 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 |
| 1275 | 330 | 100 | 25 | 24 | 20 | 4 | 13.1 Typ | 15 Typ | 7.8 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

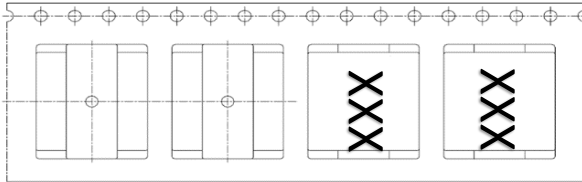


| | | | |
|----------------|--------------------------|-------------------------|--|
| 產品編碼 P/N | PSPMAA201610~2213 Series | 測試設備 TEST INSTRUMENT | Chroma 3302 16502 |
| 產品系列 Series | 一体成型电感 | 測試頻率 TEST FREQUENCY | 201610~252012: 1MHZ / 1V 0302~2213: 100KHZ / 1V |

載帶內產品排列方式:
Inductance Packing Method

首字對孔

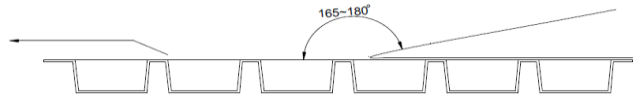
The first mark is on the side of the gear hole



載帶剝離力:

Typical Pulling Force

20~120 gf



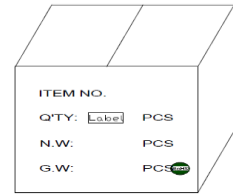
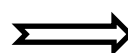
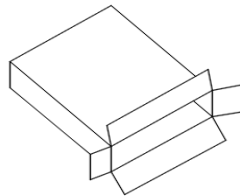
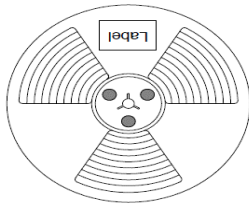
裝箱數量:

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 |
| 0302 | 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 | 9000pcs |
| 0603/063T | 1000pcs | 3000pcs | 9000pcs |
| 0604 | 1000pcs | 3000pcs | 9000pcs |
| 0605 | 1000pcs | 3000pcs | 9000pcs |
| 0803 | 1000pcs | 3000pcs | 9000pcs |
| 0805 | 1000pcs | 3000pcs | 9000pcs |
| 1030 | 800pcs | 1600pcs | 4800pcs |
| 1040 | 800pcs | 1600pcs | 4800pcs |
| 1045 | 800pcs | 1600pcs | 4800pcs |
| 1050 | 800pcs | 1600pcs | 4800pcs |
| 1250 | 500pcs | 1000pcs | 3000pcs |
| 1265 | 500pcs | 1000pcs | 3000pcs |
| 1275 | 500pcs | 1000pcs | 3000pcs |
| 1770 | 300pcs | 600pcs | 2400pcs |
| 2213 | 100pcs | 100pcs | 400pcs |





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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 - 2 運輸設備（汽車，軌道交通產品，船舶等）
 - 3 航空，航太設備
 - 4 發電控制設備
 - 5 核動力相關設備
 - 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 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.
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[RCR110DNP-331L](#) [DH2280-4R7M](#) [DS1608C-106](#) [B10TJ](#) [B82498B3101J000](#) [ELJ-RE27NJF2](#) [1812CS-153XJ](#) [1812CS-183XJ](#) [1812CS-](#)
[223XJ](#) [1812LS-104XJ](#) [1812LS-105XJ](#) [1812LS-124XJ](#) [1812LS-154XJ](#) [1812LS-223XJ](#) [1812LS-224XJ](#) [1812LS-563XJ](#) [1812LS-683XJ](#)
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