



產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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

## 編碼解釋

Code interpretation

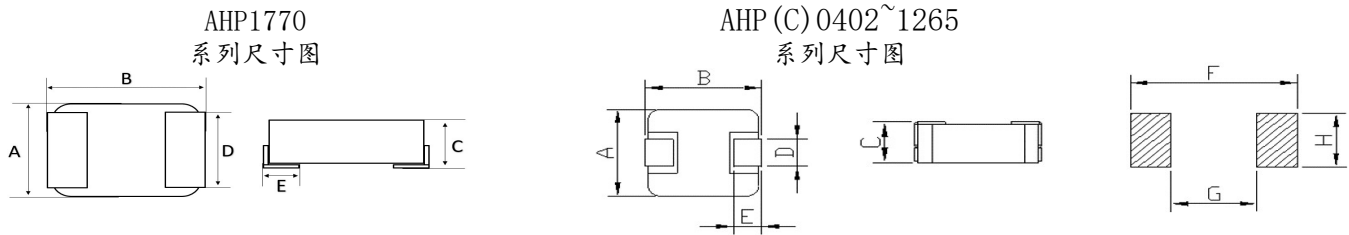
AHP	0 4 0 2	1 R 0	-	M	
類別碼	尺寸系列	感值		公差	
Category code	Dimension	Inductance		Tolerance	

## 封裝尺寸

Dimension (mm)

## 推薦的焊盤尺寸

Recommaned Land Pattern



系列 Series	封裝尺寸 Dimension					焊盤尺寸 Land Pattern			最小包裝 MPQ
	A	B	C	D	E	F	G	H	
0402	4.05±0.25	4.45±0.25	2.0MAX	2.0±0.5	0.8±0.5	4.95Typ	2.15Typ	2.3Typ	3000pcs/卷盤
0503	5.2±0.3	5.4±0.3	3.0MAX	2.2±0.3	1.2±0.3	5.99Typ	2.2Typ	2.5Typ	2000pcs/卷盤
0603	6.6±0.3	7.1±0.3	3.0MAX	3.0±0.5	1.6±0.5	8.0Typ	3.7Typ	3.5Typ	1000pcs/卷盤
0604	6.6±0.3	7.1±0.3	4.0MAX	3.0±0.5	1.6±0.5	8.0Typ	3.7Typ	3.5Typ	1000pcs/卷盤
0605	6.6±0.3	7.1±0.3	5.0MAX	3.0±0.5	1.6±0.5	8.0Typ	3.7Typ	3.5Typ	1000pcs/卷盤
1040	10.0±0.5	11.5±1.0	4.0MAX	3.0±0.5	2.5 ± 0.5	13.0 Typ	6.0 Typ	4.0 Typ	800pcs/卷盤
1045	10.0±0.5	11.5±1.0	4.5MAX	3.0±0.5	2.5 ± 0.5	13.0 Typ	6.0 Typ	4.0 Typ	800pcs/卷盤
1250	12.8±0.5	13.2±1.0	5.0MAX	3.5±0.5	2.5±0.5	15.0Typ	6.0Typ	5.0Typ	500pcs/卷盤
1265	12.8±0.5	13.2±1.0	6.5MAX	3.5±0.5	2.5±0.5	15.0Typ	6.0Typ	5.0Typ	500pcs/卷盤
1770	17.15MAX	17.50±1.0	7.0MAX	11.94±0.3	2.50±0.5	18Typ	11.7Typ	13Typ	300pcs/卷盤

產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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

## 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%
AHP0402-R10M	0.1	20%	3.5	4	12	22
AHP0402-R22M	0.22	20%	6	6.6	9	12.5
AHP0402-R33M	0.33	20%	9.6	13	8	12
AHP0402-R47M	0.47	20%	12.5	14	7	9.5
AHP0402-R56M	0.56	20%	14	16	6.5	10
AHP0402-R68M	0.7	20%	16	18	6	9
AHP0402-1R0M	1.0	20%	24	27	4.5	7
AHP0402-1R2M	1.2	20%	24	27	4.5	7
AHP0402-1R5M	1.5	20%	38	46	4	6
AHP0402-2R2M	2.2	20%	52	58	3	5
AHP0402-3R3M	3.3	20%	74	87	2.5	4
AHP0402-4R7M	4.7	20%	98	110	2	3.5
AHP0402-6R8M	6.8	20%	160	175	1.5	2.5
AHP0402-8R2M	8.2	20%	170	185	2	2.5
AHP0402-100M	10.0	20%	256	282	1.2	2.2

產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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

## 0503 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%
AHP0503-R33M	0.33	20%	4.2	5.0	14.0	18.0
AHP0503-R47M	0.47	20%	7.4	7.4	12.0	16.0
AHP0503-R68M	0.68	20%	11.0	13.0	8.0	14.0
AHP0503-1R0M	1.00	20%	13.0	15.0	7.0	11.0
AHP0503-1R5M	1.50	20%	20.0	25.0	6.0	8.5
AHP0503-2R2M	2.20	20%	25.0	35.0	5.5	7.5
AHP0503-3R3M	3.30	20%	32.0	38.0	5.0	6.0
AHP0503-4R7M	4.70	20%	50.0	70.0	4.0	5.0
AHP0503-6R8M	6.80	20%	75.0	100.0	3.5	4.0
AHP0503-8R2M	8.20	20%	100.0	130.0	3.0	4.0
AHP0503-100M	10.00	20%	110.0	145.0	2.5	3.5
AHP0503-150M	15.00	20%	192.0	215.0	2.0	3.0
AHP0503-220M	22.00	20%	230.0	275.0	1.5	2.5

產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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 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%	
AHP0603-R22M	0.22	20%	2.5	2.8	23.0	40.0
AHP0603-R33M	0.33	20%	3.5	3.9	20.0	30.0
AHP0603-R47M	0.47	20%	4.0	4.2	17.5	26.0
AHP0603-R68M	0.68	20%	5.0	5.5	15.5	25.0
AHP0603-R82M	0.82	20%	6.7	8.0	13.0	24.0
AHP0603-1R0M	1.00	20%	9.0	10.0	11.0	22.0
AHP0603-1R5M	1.50	20%	14.0	15.0	9.0	18.0
AHP0603-2R2M	2.20	20%	18.0	20.0	8.0	14.0
AHP0603-3R3M	3.30	20%	28.0	30.0	6.0	13.5
AHP0603-4R7M	4.70	20%	37.0	40.0	5.5	10.0
AHP0603-6R8M	6.80	20%	54.0	60.0	4.5	8.0
AHP0603-8R2M	8.20	20%	70.0	90.0	4.0	7.5
AHP0603-100M	10.00	20%	102.0	105.0	3.0	7.0
AHP0603-100M	10.00	20%	62.0	68.0	4.0	5.5
AHP0603-220M	22.00	20%	120.0	150.0	2.0	3.5
AHP0603-330M	33.00	20%	210.0	250.0	1.5	2.5
AHP0603-470M	47.00	20%	344.0	412.0	1.5	2.5

## 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%	
AHP0604-R47M	0.47	20%	3.0	3.6	15.0	26.0
AHP0604-R68M	0.68	20%	4.8	5.8	10.0	18.0
AHP0604-1R0M	1.00	20%	5.5	6.6	9.0	17.0
AHP0604-1R5M	1.50	20%	7.0	10.8	8.0	13.0
AHP0604-2R2M	2.20	20%	10.0	13.0	7.0	12.0
AHP0604-3R3M	3.30	20%	13.5	18.0	6.5	11.0
AHP0604-4R7M	4.70	20%	20.0	24.0	6.0	9.0
AHP0604-6R8M	6.80	20%	41.0	49.0	5.0	8.0
AHP0604-100M	10.00	20%	58.0	70.0	3.5	6.5
AHP0604-150M	15.00	20%	64.0	77.0	3.0	5.5
AHP0604-220M	22.00	20%	98.0	117.0	2.5	4.0
AHP0604-330M	33.00	20%	163.0	196.0	2.0	3.5

產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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%
AHP0605-R47M	0.47	20%	2.9	3.9	14.0	24.0
AHP0605-R68M	0.68	20%	3.2	4.4	11.0	20.0
AHP0605-1R0M	1.00	20%	5.2	6.7	9.0	18.0
AHP0605-1R5M	1.50	20%	7.3	8.7	8.5	15.0
AHP0605-2R2M	2.20	20%	10.0	13.5	8.0	14.0
AHP0605-3R3M	3.30	20%	14.0	22.9	7.0	11.0
AHP0605-4R7M	4.70	20%	24.0	29.0	6.0	10.0
AHP0605-6R8M	6.80	20%	34.0	39.0	5.0	9.0
AHP0605-100M	10.00	20%	48.0	57.0	4.0	8.0
AHP0605-150M	15.00	20%	76.0	87.0	3.5	6.0
AHP0605-220M	22.00	20%	110.0	135.0	3.0	5.0
AHP0605-330M	33.00	20%	160.0	210.0	2.5	4.5
AHP0605-470M	47.00	20%	252.0	295.0	1.5	2.5

產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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 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%
AHP1040-R22M	0.22	20%	0.8	1.2	24.0	50.0
AHP1040-R36M	0.36	20%	1.0	1.5	22.0	40.0
AHP1040-R47M	0.47	20%	1.3	1.8	20.0	35.0
AHP1040-R56M	0.56	20%	1.5	2.5	18.0	30.0
AHP1040-R68M	0.68	20%	2.0	2.8	16.0	25.0
AHP1040-1R0M	1.00	20%	2.5	3.5	14.0	23.0
AHP1040-1R5M	1.50	20%	4.8	6.0	12.0	22.0
AHP1040-2R2M	2.20	20%	6.5	9.0	11.0	18.0
AHP1040-3R3M	3.30	20%	9.0	11.5	10.0	17.0
AHP1040-4R7M	4.70	20%	14.0	20.0	9.0	13.0
AHP1040-6R8M	6.80	20%	18.0	25.0	8.0	11.0
AHP1040-100M	10.00	20%	31.0	45.0	7.0	9.0
AHP1040-150M	15.00	20%	50.0	75.0	6.0	8.0
AHP1040-220M	22.00	20%	60.0	90.0	4.5	7.0
AHP1040-330M	33.00	20%	89.0	120.0	4.0	6.0
AHP1040-470M	47.00	20%	125.0	170.0	3.0	5.0
AHP1040-680M	68.00	20%	200.0	250.0	2.2	4.0

## 1040X 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%
AHP1040X-R22M	0.22	20%	0.7	0.9	38.0	62.0
AHP1040X-R36M	0.36	20%	0.7	0.8	33.0	53.0
AHP1040X-R47M	0.47	20%	1.3	1.5	28.0	47.0
AHP1040X-R56M	0.56	20%	1.3	1.5	27.0	43.0
AHP1040X-R68M	0.68	20%	2	2.3	25.0	40.0
AHP1040X-1R0M	1.00	20%	2.5	3.0	19.0	32.0
AHP1040X-1R5M	1.50	20%	3.5	4.0	18.0	26.0
AHP1040X-2R2M	2.20	20%	5.9	6.5	14.0	24.0
AHP1040X-3R3M	3.30	20%	9.5	11.0	11.0	18.0
AHP1040X-4R7M	4.70	20%	12.0	13.5	10.0	15.0
AHP1040X-5R6M	5.60	20%	15.2	16.8	9.0	14.0
AHP1040X-6R8M	6.80	20%	19.0	20.1	8.5	13.0
AHP1040X-8R2M	8.20	20%	22.0	25.0	7.5	11.0
AHP1040X-100M	10.00	20%	29.5	33.0	7.0	10.0
AHP1040X-150M	15.00	20%	37.0	41.0	6.7	8.0
AHP1040X-220M	22.00	20%	55.0	60.0	6.0	6.5
AHP1040X-330M	33.00	20%	79.0	87.0	5.0	6.0
AHP1040X-470M	47.00	20%	118.0	139.0	4.0	5.5

A3.0

## 電氣特性

## ELECTRICAL CHARACTERISTICS



產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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 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≈
AHP1045-220M	22.00	20%	60	72	4.0	6.0
AHP1045-470M	47.00	20%	136	164	3.5	4.5
AHP1045-680M	68.00	20%	155	230	2.5	4.5
AHP1045-101M	100.00	20%	250	300	2.0	4.0
AHP1050-1R0M	1.00	20%	2.3	3	16.0	28.0
AHP1050-2R2M	2.20	20%	5.2	7	12.0	20.0
AHP1050-8R2M	8.20	20%	23.5	35	6.5	12.0
AHP1050-100M	10.00	20%	29	35	6.0	12.0
AHP1050-220M	22.00	20%	60	72	4.5	8.0

## 1250 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≈
AHP1250H-R47M	0.47	20%	1	1.2	25.0	45.0
AHP1250H-R68M	0.68	20%	1.2	1.6	23.0	38.0
AHP1250H-1R0M	1.00	20%	1.7	2.2	22.0	36.0
AHP1250H-1R5M	1.50	20%	2.6	2.6	16.0	32.0
AHP1250H-2R2M	2.20	20%	5	3.1	15.0	30.0
AHP1250H-3R3M	3.30	20%	6.3	6	14.0	26.0
AHP1250H-4R7M	4.70	20%	7.5	7.6	12.0	24.0
AHP1250H-6R8M	6.80	20%	12	9	12.0	18.0
AHP1250H-100M	10.00	20%	19.5	14.4	8.0	13.0
AHP1250H-150M	15.00	20%	24	26	7.0	11.0
AHP1250H-220M	22.00	20%	29	31.2	5.0	9.0
AHP1250H-330M	33.00	20%	32	48	4.0	8.0
AHP1250H-470M	47.00	20%	38	82	3.0	7.0

Page8/15



產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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%
AHP1265-1R0M	1.00	20%	1.6	2.0	23.0	40.0
AHP1265-1R5M	1.50	20%	2.4	3.2	18.0	30.0
AHP1265-2R2M	2.20	20%	3.4	4.2	15.0	25.0
AHP1265-3R3M	3.30	20%	4.8	5.7	12.0	22.0
AHP1265-4R7M	4.70	20%	8.2	10.0	11.0	21.0
AHP1265-6R8M	6.80	20%	11.0	14.0	10.0	20.0
AHP1265-100M	10.00	20%	14.0	16.8	8.0	14.0
AHP1265-150M	15.00	20%	27.5	32.0	7.0	13.0
AHP1265-220M	22.00	20%	32.7	38.0	6.0	12.0
AHP1265-330M	33.0	20%	45.0	50.0	5.0	10.0
AHP1265-470M	47.0	20%	63.1	72.0	4.0	8.0
AHP1265-680M	68.0	20%	105.1	130.0	3.0	5.5
AHP1265-101M	100.0	20%	130.0	160.0	2.0	5.0
AHP1770-1R0M	1.0	20%	1.00	1.30	55.5	73.0
AHP1770-1R5M	1.5	20%	1.40	1.70	48.0	65.0
AHP1770-2R2M	2.2	20%	2.31	2.53	35.0	62.0
AHP1770-3R3M	3.3	20%	3.00	3.88	28.0	54.0
AHP1770-4R7M	4.7	20%	4.10	5.11	25.0	41.0
AHP1770-5R6M	5.6	20%	5.70	7.10	21.0	40.0
AHP1770-6R8M	6.8	20%	6.90	8.83	19.0	32.0
AHP1770-8R2M	8.2	20%	8.6	10.7	18.0	25.0
AHP1770-100M	10.0	20%	9.6	12.0	16.5	25.0
AHP1770-100M	10.0	20%	8.0	10.0	19.0	21.0
AHP1770-150M	15.0	20%	16.0	20.0	12.5	25.0
AHP1770-220M	22.0	20%	21.6	27.0	11.0	23.0
AHP1770-330M	33.0	20%	30.4	38.0	8.5	13.0
AHP1770-470M	47.0	20%	46.4	58.0	6.5	11.0
AHP1770-680M	68.0	20%	80.0	100.0	5.0	9.0
AHP1770-820M	82.0	20%	88.0	110.0	5.0	8.0
AHP1770-101M	100.0	20%	115.0	140.0	4.2	7.0
AHP1770-151M	150.0	20%	149.0	186.0	2.0	4.0

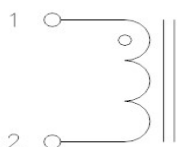
A3.0

特性  
CHARACTERISTICS



產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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



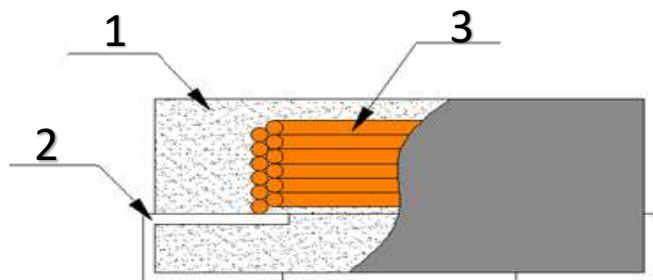
- ◎ 電感內置一組線圈  
Inductor Contents one (1) Set(s) of Coil
- ◎ 電感使用不需要區分正負方向  
DC/AC Current Shall Be Introduced By Any One of Two Pads

印字方式  
Marking



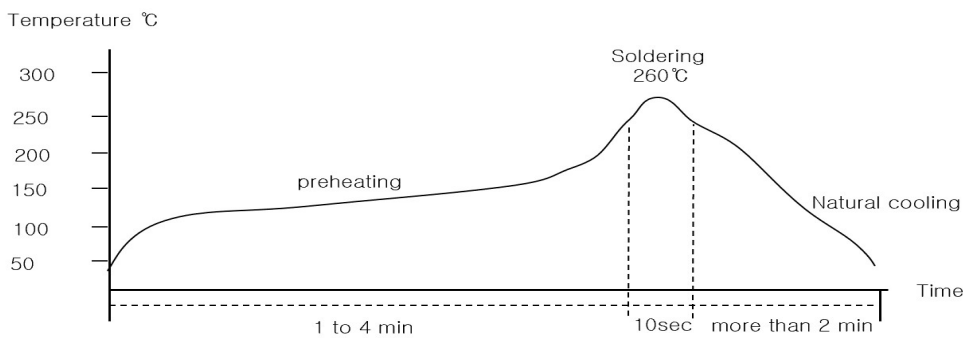
- ◎ 0410以下尺寸顶部不喷码印字  
Size 201610~252012 series no marking

內部構造  
Internal Structure



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

IR Reflow profile;  
Recommended Soldering Temperature Graph



Temperature and humidity . After that , no mechanical and electrical defect should be found .

A3.0

信賴性實驗  
RELIABILITY TEST



產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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

Page 11/15

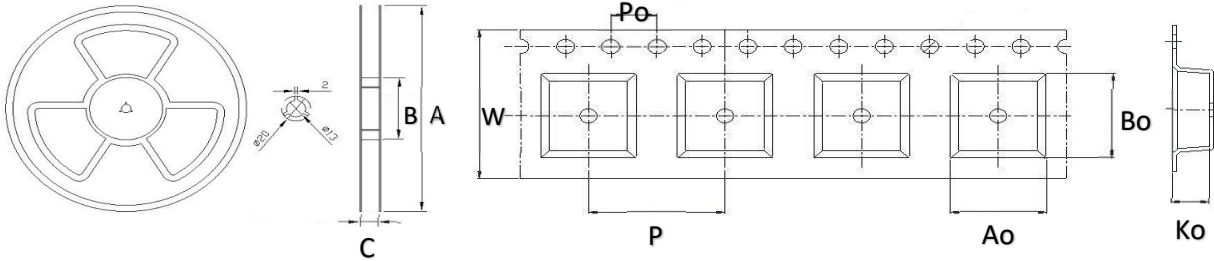
A3.0

包裝方式  
PACKING FOR SMD



產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
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

載帶卷盤尺寸 : (mm)  
Packing Dimension



系列 Series	A	B	C	W	P	Po	Ao	Bo	Ko
0402	330	100	12	12	8	4	4.6 Typ	4.75 Typ	2.2 Typ
0503	330	100	12.5	12	8	4	5.7 Typ	5.9 Typ	3.6 Typ
0603	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
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

Page 12/15

A3.0

包裝方式  
PACKING FOR SMD

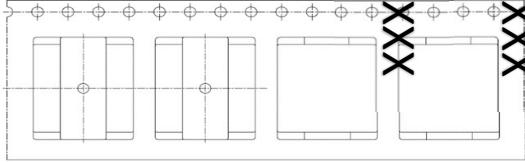


產品編碼 P/N	AHP0402~1770 Series	測試設備 TEST INSTRUMENT	Zentech-3305 / Zentech502BC
產品系列 Series	一体成型电感	測試頻率 TEST FREQUENCY	201610~252012: 1MHZ / 1V 0410~2213: 100KHZ / 1V

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

首字對孔

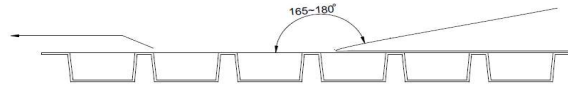
The first mark is on the side of the gear hole



載帶剝離力:

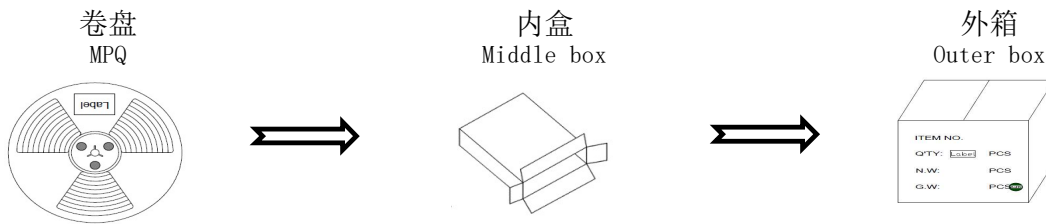
Typical Pulling Force

20~120 gf



裝箱數量:

Package Quantity



系列 Series	卷盤 MPQ	內盒 Middle box	外箱 Outer box
0402	3000pcs	9000pcs	27000pcs
0603	1000pcs	3000pcs	9000pcs
0604	1000pcs	3000pcs	9000pcs
0605	1000pcs	3000pcs	9000pcs
1040	800pcs	1600pcs	4800pcs
1045	800pcs	1600pcs	4800pcs
1050	800pcs	1600pcs	4800pcs
1250	500pcs	1000pcs	3000pcs
1265	500pcs	1000pcs	3000pcs
1770	300pcs	600pcs	900pcs



## 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：

1 軍用設備	8 關係到國防安全的設備
2 運輸設備（汽車，軌道交通產品，船舶等）	9 防災賑災設備
3 航空，航太設備	10 各種安規設備
4 發電控制設備	11 其他被認定為特殊用途的設備
5 核動力相關設備	
6 爆炸引燃控制設備	
7 交通控制設備	



## 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.  
If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us. Otherwise, our company
- |  |  |
|--|--|
| 1 Military equipment                                   | 8 Medical equipment  |
| 2 Transportation equipment (cars, trains, ships, etc.) | 9 Disaster prevention/crime prevention equipment                           |
| 3 Aerospace/aviation equipment                         | 10 Safety equipment  |
| 4 Power-generation control equipment                   | 11 Other applications that are not considered general-purpose applications |
| 5 Atomic energy-related equipment                      |  |
| 6 Explosive ignition control equipment                 |  |
| 7 Transportation control equipment                     |  |