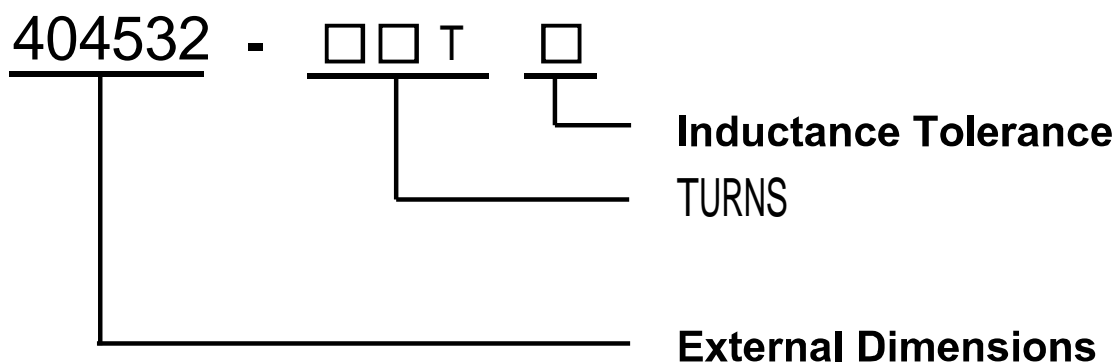


404532XXT(A0XXT)

產品型號

PRODUCT IDENTIFICATION

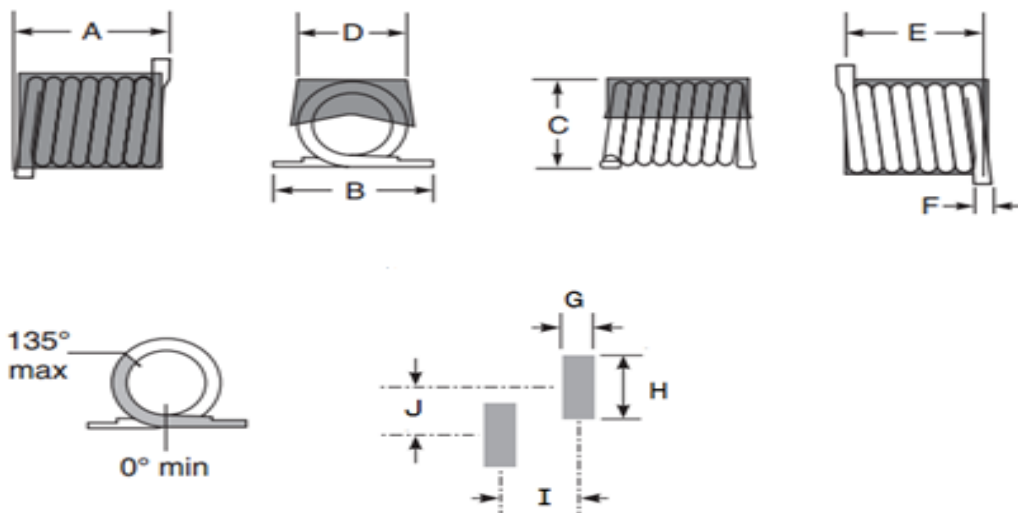


Inductance Tolerance: B=±0.1nH C=±0.2nH S=±0.3nH D=±0.5nH
F=±1% G=±2% J=±5% K=±10%

外观尺寸

SHAPE AND DIMENSIONS

单位: mm



推荐焊盘

A max	B max	C max	D	E	F	G	H	I	J
3.94	4.45	3.15	2.79±0.25	2.92±0.25	0.74	1.27	3.30	2.9	3



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Email: xy@frcoil.com

404532XXT(A0XXT)

规格特性

SPECIFICATIONS

Part number	Turns	Inductance (nH)	Percent tolerance	Q min	Test freq (MHz)	SRF typ (GHz)	DCR max (mOhms)	Irms (A)
404532-1TK	1	2.50	10	145	150	12.50	1.10	4
404532-2T_	2	5.00	5,2,1	140	150	6.50	1.80	4
404532-3T_	3	8.00	5,2,1	140	150	5.00	2.60	4
404532-4T_	4	12.50	5,2,1	137	150	3.30	3.40	4
404532-5T_	5	18.50	5,2,1	132	150	2.50	3.90	4

404532XXT(A0XXT)

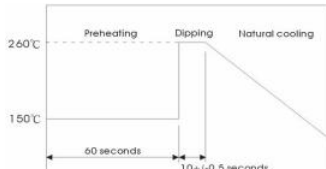
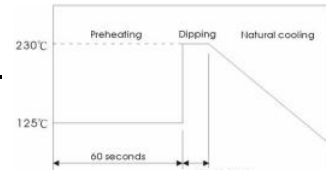
電氣特性

TYPICAL ELECTRICAL CHARACTERISTICS

Reliability and Test Conditions (可靠性測試條件)

ITEM	Performance	Test Condition
Operating Temperature 操作溫度	-40℃ ~ 125℃	10Pcs Passed
Storage temperature 儲存溫度	-55℃ ~ 125℃	10Pcs Passed
Rated Current 額定電流	Refer to standard electrical characteristics list. 參考標準特性規格表	10Pcs Passed
Temperature Rise Test 溫升測試	40℃ max.(Δt) 40度最大	10Pcs Passed

Electrical Performance Test

Solder Heat Resistance 耐焊錫熱	<p>Appearance: No significant abnormality. Inductance change: Within $\pm 20\%$. 外觀: 無顯著異常 電感值: 變異值在初始值20% 之內</p>	<p>Preheat: 150℃, 60sec. Solder: H63A solder temperature: 260± 5℃ Flux for lead free: rosin Dip time: 10± 0.5sec. 預熱: 150℃, 60sec. 錫爐溫度: 260± 5℃ 時間: 10± 0.5sec. 助焊劑: rosin</p>  <p>The graph shows a temperature profile for solder heat resistance testing. It starts with a preheating phase at 150°C for 60 seconds. This is followed by a dipping phase where the temperature rises to 260°C and is held for 10 ± 0.5 seconds. Finally, there is a natural cooling phase.</p>
Solderability Test 端面焊錫性	<p>More than 90% of the terminal electrode should be covered with solder. 端電極之錫覆蓋而達90% 以上。</p>	<p>Preheat: 125± 25℃, 60sec. Solder: H63A solder temperature: 230± 5℃ Flux for lead free: rosin Dip time: 4± 1sec. 預熱: 125± 25℃, 60sec. 錫爐溫度: 230± 5℃ 時間: 4± 1sec. 助焊劑: rosin</p>  <p>The graph shows a temperature profile for solderability testing. It starts with a preheating phase at 125°C for 60 seconds. This is followed by a dipping phase where the temperature rises to 230°C and is held for 4 ± 1 seconds. Finally, there is a natural cooling phase.</p>
High Temperature Resistance Test 高溫放置測試	<p>Appearance: no damage. Inductance: within $\pm 20\%$ of initial value. No disconnection or short circuit. 外觀不能破損 電感值: 變異值在初始值20% 之內. 電性無短路或斷線</p>	<p>Temperature: 85± 2℃. Applied current: rated current. Duration: 500 hrs.</p>
Humidity Resistance Test 高濕放置測試	<p>Appearance: no damage. Inductance: within $\pm 20\%$ of initial value. No disconnection or short circuit. 外觀不能破損 電感值: 變異值在初始值20% 之內. 電性無短路或斷線</p>	<p>Temperature: 40± 2℃. Applied current: rated current. Duration: 500 hrs. Humidity: 90~95%</p>



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電氣特性

TYPICAL ELECTRICAL CHARACTERISTICS

Reliability and Test Conditions (可靠性測試條件)

ITEM	Performance	Test Condition															
Thermal shock 熱衝擊試驗	Appearance: no damage. Inductance: within $\pm 20\%$ of initial value. No disconnection or short circuit. 外觀不能破損 電感值: 變異值在初始值20%之內. 電性無短路或斷線	Condition for 1 cycle Step1: $-25 \pm 2^\circ\text{C}$, 30 \pm 3 min. Step2: Room temperature within 15 min. Step3: $+85 \pm 5^\circ\text{C}$, 30 \pm 3 min. Step4: Room temperature within 15 min. Number of cycles: 50 <table><tr><th>Phase</th><th>Temperature($^\circ\text{C}$)</th><th>Time(min)</th></tr><tr><td>1</td><td>$-25 \pm 2^\circ\text{C}$</td><td>30 \pm 3</td></tr><tr><td>2</td><td>Room Temp.</td><td>15</td></tr><tr><td>3</td><td>$+85 \pm 2^\circ\text{C}$</td><td>30 \pm 3</td></tr><tr><td>4</td><td>Room Temp.</td><td>15</td></tr></table>	Phase	Temperature($^\circ\text{C}$)	Time(min)	1	$-25 \pm 2^\circ\text{C}$	30 \pm 3	2	Room Temp.	15	3	$+85 \pm 2^\circ\text{C}$	30 \pm 3	4	Room Temp.	15
Phase	Temperature($^\circ\text{C}$)	Time(min)															
1	$-25 \pm 2^\circ\text{C}$	30 \pm 3															
2	Room Temp.	15															
3	$+85 \pm 2^\circ\text{C}$	30 \pm 3															
4	Room Temp.	15															
Humidity Resistance 高濕測試	Appearance: no damage. Inductance: within $\pm 20\%$ of initial value. No disconnection or short circuit. 外觀不能破損 電感值: 變異值在初始值20%之內. 電性無短路或斷線	Humidity: 90~95%RH. Temperature: $40 \pm 5^\circ\text{C}$. Applied current: rated current. Duration: 500 \pm 12 hrs. Measured at room temperature after placing for 2 to 3 hrs. 濕度: 90~95%RH. 溫度: $40 \pm 5^\circ\text{C}$. 須加電流: 額定電流. 放置時間: 500 \pm 12 hrs.															