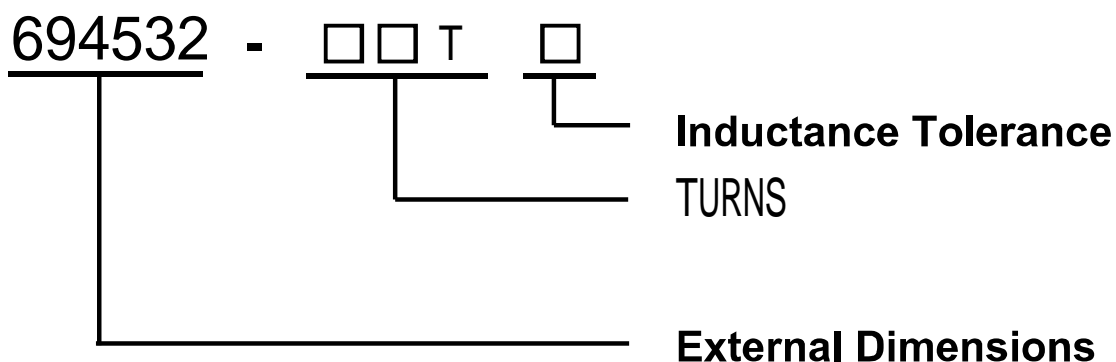


694532XXT(B0XXT)

產品型號

PRODUCT IDENTIFICATION

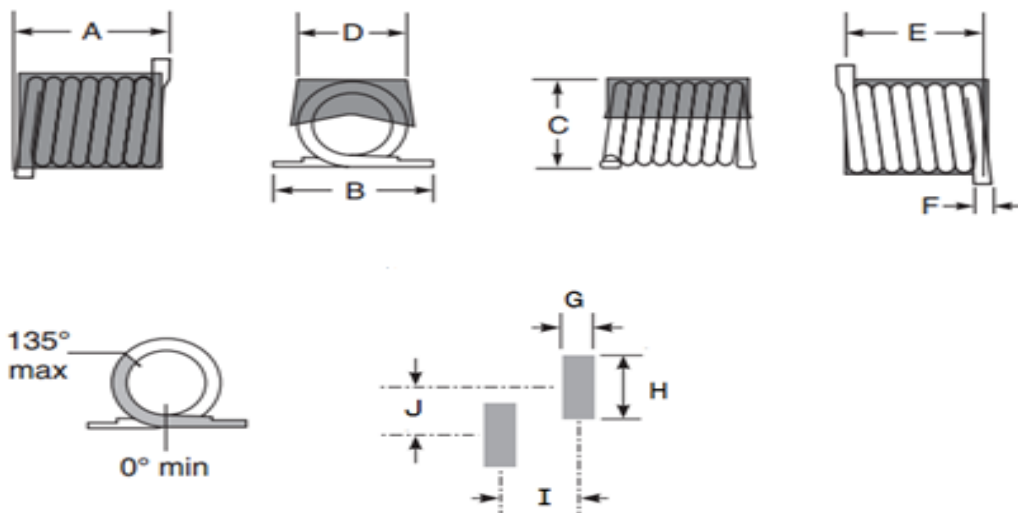


Inductance Tolerance: B=±0.1nH C=±0.2nH S=±0.3nH D=±0.5nH
F=±1% G=±2% J=±5% K=±10%

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
6.86	4.45	3.15	2.79±0.25	5.84±0.38	0.74	1.27	3.30	5.96	3.05



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694532XXT(B0XXT)

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)
694532-6T_	6	17.50	5,2,1	100	150	2.20	4.50	4
694532-7T_	7	22.00	5,2,1	102	150	2.10	5.20	4
694532-8T_	8	28.00	5,2,1	105	150	1.80	6.00	4
694532-9T_	9	35.50	5,2,1	112	150	1.50	6.80	4
694532-10T_	10	43.00	5,2,1	106	150	1.20	7.90	4

694532XXT(B0XXT)

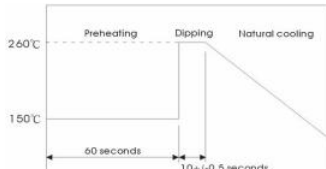
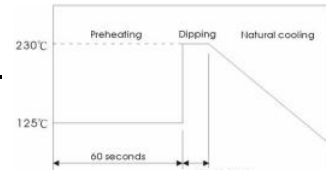
電氣特性

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	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	Preheat: 150℃, 60sec. Solder: H63A solder temperature: 260 $\pm 5^\circ\text{C}$ Flux for lead free: rosin Dip time: 10 ± 0.5 sec. 預熱: 150℃, 60sec. 錫爐溫度: 260 $\pm 5^\circ\text{C}$ 時間: 10 ± 0.5 sec. 助焊劑: rosin 
Solderability Test 端面焊錫性	More than 90% of the terminal electrode should be covered with solder. 端電極之錫覆蓋面達90%以上	Preheat: 125 $\pm 25^\circ\text{C}$, 60sec. Solder: H63A solder temperature: 230 $\pm 5^\circ\text{C}$ Flux for lead free: rosin Dip time: 4 ± 1 sec. 預熱: 125 $\pm 25^\circ\text{C}$, 60sec. 錫爐溫度: 230 $\pm 5^\circ\text{C}$ 時間: 4 ± 1 sec. 助焊劑: rosin 
High Temperature Resistance Test 高溫放置測試	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	Temperature: 85 $\pm 2^\circ\text{C}$. Applied current: rated current. Duration: 500 hrs.
Humidity Resistance Test 高濕放置測試	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	Temperature: 40 $\pm 2^\circ\text{C}$. Applied current: rated current. Duration: 500 hrs. Humidity: 90~95%



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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\pm3</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\pm3</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 12hrs. Measured at room temperature after placing for 2 to 3hrs. 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 12hrs.															