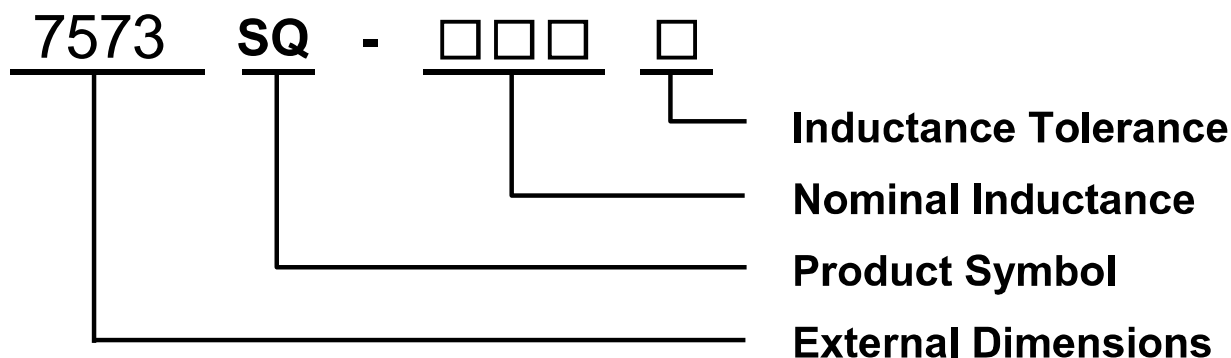


**RoHS**

# 7573SQ(2929)

產品型號

PRODUCT IDENTIFICATION



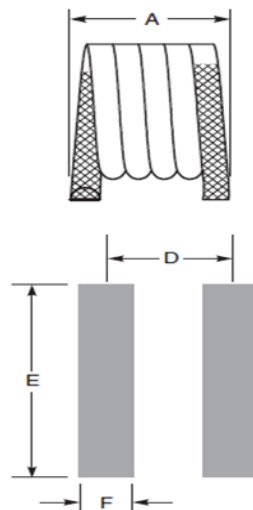
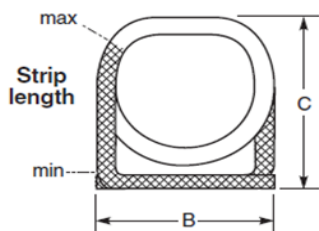
Inductance Tolerance: B=±0.1nH C=±0.2nH S=±0.3nH D=±0.5nH

F=±1% G=±2% J=±5% K=±10%

外觀尺寸

SHAPE AND DIMENSIONS

单位: mm



推荐焊盘

Amax	Bmax	Cmax	D	E	F
10.671	7.744	7.494	9.53	8.26	2.29
11.681	7.744	7.494	10.541	8.26	2.29
12.701	7.744	7.494	11.56	8.26	2.29
13.591	7.744	7.494	12.45	8.26	2.29
14.381	7.744	7.494	13.21	8.26	2.29



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RoHS

## 7573SQ(2929)

### 規格特性

### SPECIFICATIONS

Part number	Inductance (nH)	Percent tolerance	Q typ	SRF typ (GHz)	DCR max (mOhms)	Irms (A)
7573SQ-331	330 @50MHz	5,2	180	0.66	12.50	4.7
7573SQ-361	360 @50MHz	5,2	180	0.62	13.50	4.5
7573SQ-391	390 @50MHz	5,2	180	0.59	14.50	4.4
7573SQ-431	430 @50MHz	5,2	180	0.55	15.50	4.2
7573SQ-501	500 @ 50MHz	5,2	180	0.50	16.50	4.3

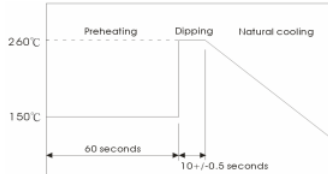
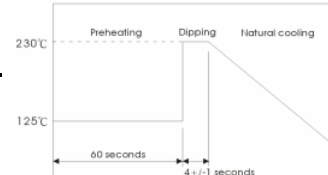
RoHS

## 7573SQ(2929)

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°C ~ 125°C	10Pcs Passed
Storage temperature 儲存溫度	-55°C ~ 125°C	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°C max.( $\Delta t$ ) 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°C, 60sec. Solder: H63A solder temperature: 260 $\pm 5$ °C Flux for lead free: rosin Dip time: 10 $\pm 0.5$ sec. 預熱: 150°C, 60sec. 錫爐溫度: 260 $\pm 5$ °C 時間: 10 $\pm 0.5$ 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 $\pm 25$ °C, 60sec. Solder: H63A solder temperature: 230 $\pm 5$ °C Flux for lead free: rosin Dip time: 4 $\pm 1$ sec. 預熱: 125 $\pm 25$ °C, 60sec. 錫爐溫度: 230 $\pm 5$ °C 時間: 4 $\pm 1$ 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. 外觀不能破壞 電感值: 變異值在初始值20%之內 電性無短路或斷線	Temperature: 85 $\pm 2$ °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. 外觀不能破壞 電感值: 變異值在初始值20%之內 電性無短路或斷線	Temperature: 40 $\pm 2$ °C. Applied current: rated current. Duration: 500 hrs. Humidity: 90~95%

## 7573SQ(2929)

### RoHS

### 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 border="1"> <thead> <tr> <th>Phase</th><th>Temperature(<math>^\circ\text{C}</math>)</th><th>Time(min)</th></tr> </thead> <tbody> <tr> <td>1</td><td><math>-25 \pm 2^\circ\text{C}</math></td><td><math>30 \pm 3</math></td></tr> <tr> <td>2</td><td>Room Temp.</td><td>15</td></tr> <tr> <td>3</td><td><math>+85 \pm 2^\circ\text{C}</math></td><td><math>30 \pm 3</math></td></tr> <tr> <td>4</td><td>Room Temp.</td><td>15</td></tr> </tbody> </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.															