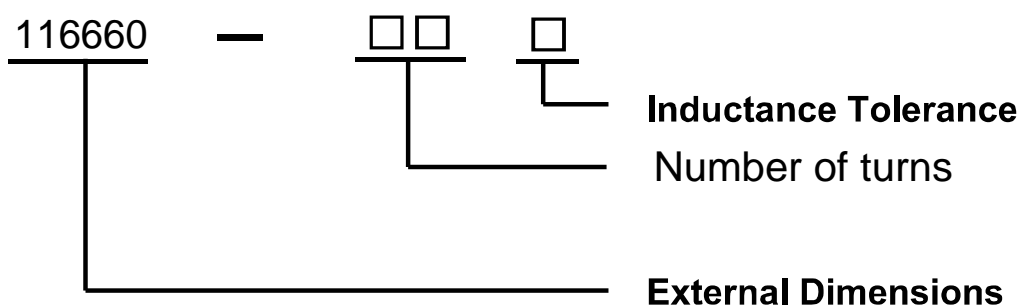


116660C(132)

产品型号

PRODUCT IDENTIFICATION

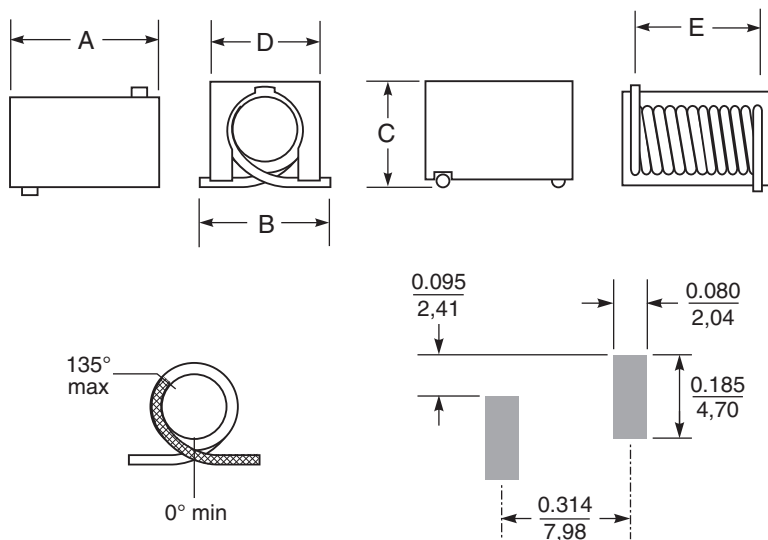


Inductance Tolerance: F=±1% G=±2% J=±5% K=±10%

外觀尺寸

SHAPE AND DIMENSIONS

单位: mm



推荐焊盘

A max	B max	C max	D	E
10.55	6.6	5.97	6.10 ± 0.38	7.98 ± 0.51



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116660C(132)

規格特性

SPECIFICATIONS

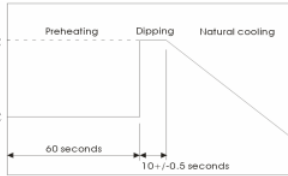
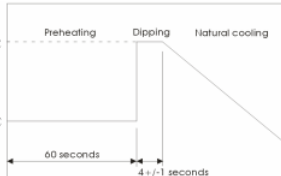
Part number	Turns	Inductance (nH)	Percent tolerance	Q typ	Q min	Test freq (MHz)	SRF typ (GHz)	DCR max (mOhms)	Irms (A)
116660-09SM_	9	90	5,2	114	95	50	1.140	15	3.5
116660-10SM_	10	111	5,2	104	87	50	1.020	15	3.5
116660-11SM_	11	130	5,2	104	87	50	0.900	20	3.0
116660-12SM_	12	169	5,2	114	95	50	0.875	25	3.0
116660-13SM_	13	206	5,2	114	95	50	0.800	30	3.0
116660-14SM_	14	222	5,2	110	92	50	0.730	35	3.0
116660-15SM_	15	246	5,2	114	95	50	0.685	35	3.0
116660-16SM_	16	307	5,2	114	95	50	0.660	35	3.0
116660-17SM_	17	380	5,2	114	95	50	0.590	50	2.5
116660-18SM_	18	422	5,2	114	95	50	0.540	60	2.5
116660-19SM_	19	491	5,2	114	95	50	0.535	65	2.0
116660-20SM_	20	538	5,2	104	87	50	0.490	90	2.0

116660C(132)

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 ± 5 ℃ Flux for lead free: rosin Dip time: 10 ± 0.5 sec. 預熱: 150℃, 60sec. 錫爐溫度: 260 ± 5 ℃ 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 ± 25 ℃, 60sec. Solder: H63A solder temperature: 230 ± 5 ℃ Flux for lead free: rosin Dip time: 4 ± 1 sec. 預熱: 125 ± 25 ℃, 60sec. 錫爐溫度: 230 ± 5 ℃ 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 ± 2 ℃. 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 ± 2 ℃. 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 \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.															