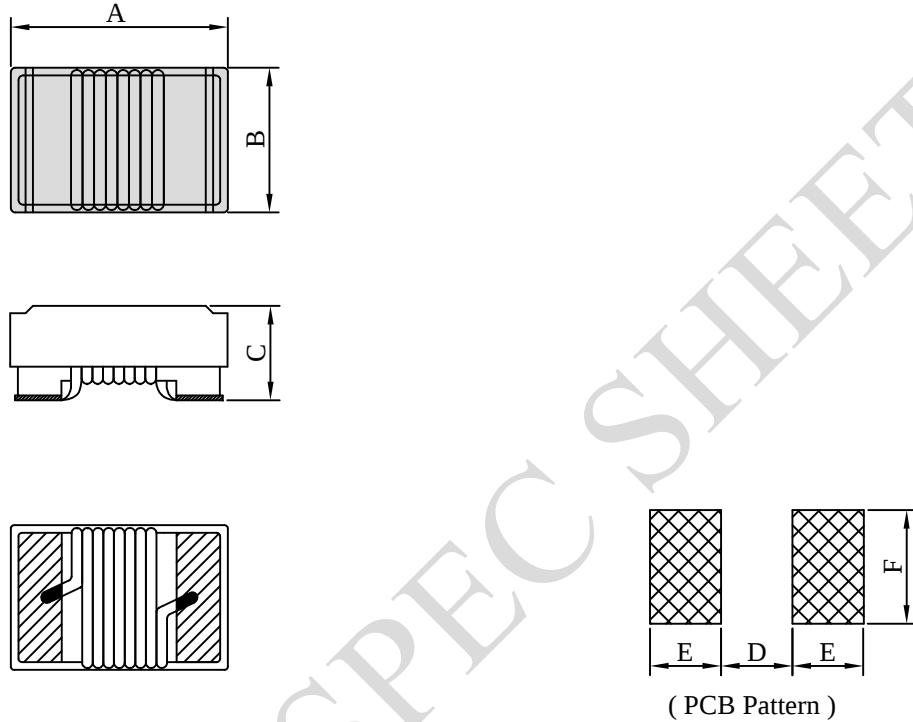


SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Wound Chip Inductor	ABC'S DWG NO.		ESW1008□□□□L□-□□□	
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I . Configuration and dimensions :



Unit : mm

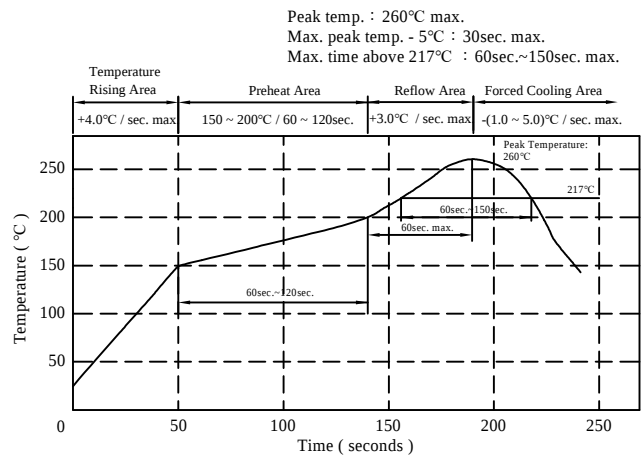
A	B	C	D	E	F
2.92 max.	2.70 max.	2.23 max.	1.27 typ.	1.02 typ.	2.54 typ.

II . Description :

- a . Body : Ceramic
- b . Enamelled copper wire : H class
- c . Product weight : 32 mg (ref.)
- d . Moisture sensitivity Level 2
- e . Products comply with RoHS' requirements
- f . Halogen free

III . General specification :

- a . Operating temp. : -40°C----+85°C
(Temp. rise included)
- b . Resistance to solder heat : 260°C.10 sec.



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IV . Electrical characteristics :

DWG No.	Inductance (nH)	Test Freq. (MHz)	Tolerance	Q min.	Test Freq. (Hz)	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
ESW100822N□L□-□□□	22.0	50	J,K,M	55	350M	2400	0.120	1000
ESW100839N□L□-□□□	39.0	50	J,K,M	60	350M	1500	0.150	1000
ESW100847N□L□-□□□	47.0	50	J,K,M	65	350M	1500	0.160	1000
ESW100856N□L□-□□□	56.0	50	J,K,M	65	350M	1300	0.180	1000
ESW100868N□L□-□□□	68.0	50	J,K,M	65	350M	1300	0.200	1000
ESW100891N□L□-□□□	91.0	50	J,K,M	60	350M	1000	0.560	650
ESW1008R10□L□-□□□	100.0	25	G,J,K,M	60	350M	1000	0.560	650
ESW1008R12□L□-□□□	120.0	25	G,J,K,M	60	350M	950	0.630	650
ESW1008R15□L□-□□□	150.0	25	G,J,K,M	45	100M	850	0.700	580
ESW1008R18□L□-□□□	180.0	25	G,J,K,M	45	100M	750	0.770	620
ESW1008R20□L□-□□□	200.0	25	G,J,K,M	45	100M	700	0.840	500
ESW1008R22□L□-□□□	220.0	25	G,J,K,M	45	100M	700	0.840	500
ESW1008R27□L□-□□□	270.0	25	G,J,K,M	45	100M	600	0.910	500
ESW1008R33□L□-□□□	330.0	25	G,J,K,M	45	100M	570	1.050	450
ESW1008R39□L□-□□□	390.0	25	G,J,K,M	45	100M	500	1.120	470
ESW1008R47□L□-□□□	470.0	25	G,J,K,M	45	100M	450	1.190	470
ESW1008R56□L□-□□□	560.0	25	G,J,K,M	45	100M	415	1.330	400
ESW1008R68□L□-□□□	680.0	25	G,J,K,M	45	100M	375	1.470	400
ESW1008R82□L□-□□□	820.0	25	G,J,K,M	45	100M	350	1.610	400
ESW1008R91□L□-□□□	910.0	25	G,J,K,M	35	50M	320	1.680	380
ESW10081R0□L□-□□□	1000	25	G,J,K,M	35	50M	290	1.800	370
ESW10081R2□L□-□□□	1200	7.9	G,J,K,M	35	50M	250	2.000	310
ESW10081R5□L□-□□□	1500	7.9	G,J,K,M	28	50M	200	2.300	330
ESW10081R8□L□-□□□	1800	7.9	G,J,K,M	28	50M	160	2.600	300
ESW10082R2□L□-□□□	2200	7.9	G,J,K,M	28	50M	160	2.800	280
ESW10082R7□L□-□□□	2700	7.9	G,J,K,M	22	25M	140	3.200	290
ESW10083R3□L□-□□□	3300	7.9	G,J,K,M	22	25M	110	3.400	290
ESW10083R9□L□-□□□	3900	7.9	G,J,K,M	20	25M	100	3.600	260
ESW10084R7□L□-□□□	4700	7.9	G,J,K,M	20	7.9M	60	4.000	260
ESW10085R6□L□-□□□	5600	7.9	G,J,K,M	16	7.9M	20	5.700	240
ESW10086R8□L□-□□□	6800	7.9	G,J,K,M	18	7.9M	40	7.700	200
ESW10088R2□L□-□□□	8200	7.9	G,J,K,M	18	7.9M	25	10.70	170
ESW1008100□L□-□□□	10000	7.9	G,J,K,M	18	7.9M	25	12.70	100

- 1). Electrical specifications at 25°C
- 2). IDC base on temp. rise 40°C max.
- 3). Tolerance : G(±2%)、J(±5%)、K(±10%)、M(±20%)

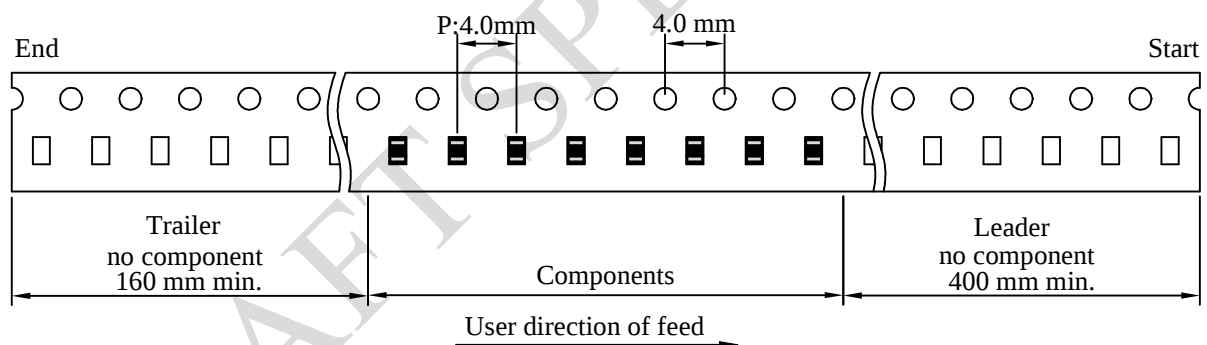
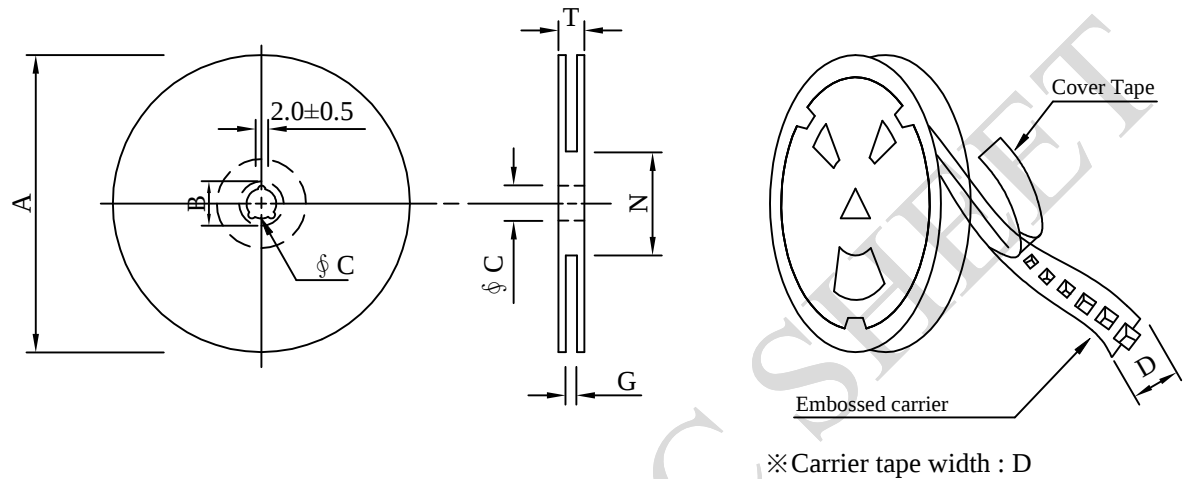
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V . Packaging information :

(1) Configuration



(2) Dimensions

Unit:mm

Style	A	B	C	D	G	N	T
07 - 08	178	21	13	8	8.4	60	12.4

(3) Q'TY & G.W. Per package

Code	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (g)	Style	Q'TY (pcs)	G.W. (kg)	Size (cm)
B	2,000	195	07 - 08	100,000	11.0	39.5 x 39.5 x 23

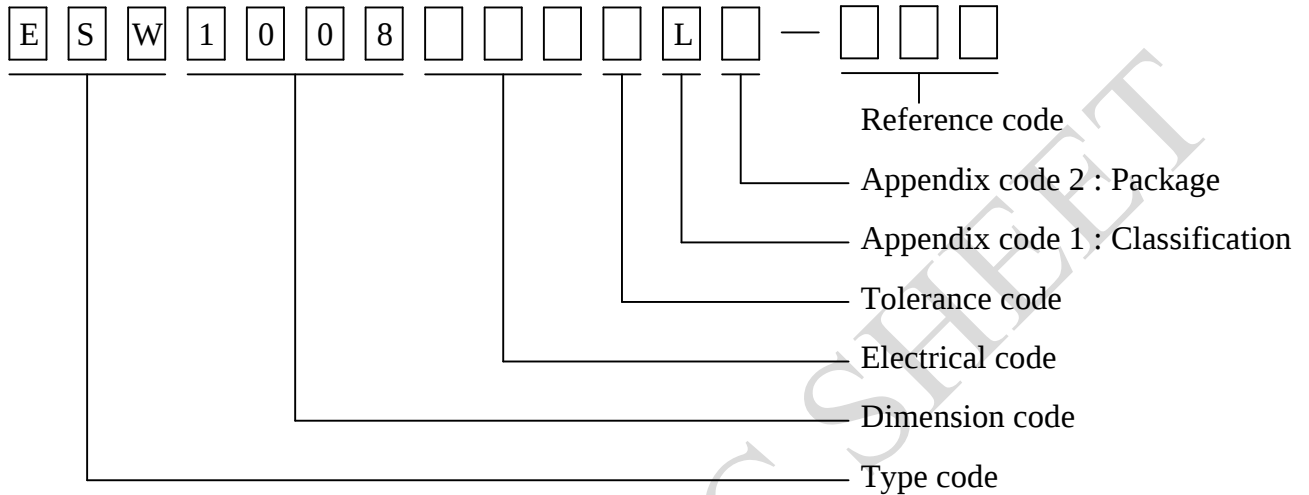
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VI . Drawing number expression :



Appendix code 1 : Product Classification

Appendix code 2 : Package Information

Code	Inner package	Cover tape	Carrier tape	Bag	Package Q'TY	Remark
B	T /R (Reel package)	NA	NA	NA	2,000 pcs	

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千如電子集團
ABC-ATEC ELECTRONICS GROUP

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VII . Safety notes :

1. Products do not be used in related applications that directly affect the personal safety system or cause significant impacts and losses on society. If you apply to these applications, please be sure to contact us at first to confirm.
產品不可使用於直接影響人身安全系統或對社會會造成重大影響與損失之相關用途，若您應用於此，請務必優先與我們聯繫確認。
2. The storage period is less than 12 months. Ensure to follow the storage conditions (Temperature: 5 to 30°C, Humidity: 10 to 60% RH or less). If the storage time is exceeded the limit, the electrodes might be deteriorate of terminal soldering.
儲存期不超過12個月，務必遵守儲存條件（溫度：5至30°C，濕度：10至60%RH以下）。如果超過了儲存時間，端子電極可能會氧化而影響焊接。
3. Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).
不要在有氣體腐蝕等條件的地方使用或存放（鹽，酸，鹼等）。
4. 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.
安裝時的焊接條件應在規格範圍內。如果超過要求，可能會發生短路，性能下降或壽命縮短。
5. When using, it should try to avoid excessive mechanical impact on the product, such as collision / drop ... and other reasons.
使用時，應盡量避免產品受到過度機械衝擊，如碰撞/掉落...等原因。
6. 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.
將已安裝新片的電路板組裝到裝置時，請注意應盡量避免電路板受到組裝變形...等，導致產品受到應力。
7. Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
產品會因通電而自我發熱(溫度上升)，因此在熱影響設計方面，需保留適當公差。
8. Do not expose the products to magnets or magnetic fields.
請勿將產品暴露於磁鐵或是磁場中。
9. If you would like to use this products to 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, or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us.
如果您希望將此產品用於性能和/或質量要求更嚴格的安全性或可靠性，或其失敗、故障或麻煩可能對社會、個人或財產造成嚴重損害，或者您有特殊情況要求超出目錄中規定的範圍或條件，請與我們聯繫。