



LJ9387W 無鉛錫絲 Lead-Free Solder Wire Alloy: Sn95.5/3.8Ag/0.7Cu

(1) **Application** Lead-free cored wire has been developed for use in the electronic industry.
適用範圍 本規格適用於電子類及產品之相關電子元件銲接製程。

(2) **Name of Product** LJ9387W Lead-Free Solder Wire
產品名稱 LJ9387W 無鉛錫絲

Alloy Composition Sn95.5/ 3.8Ag / 0.7Cu
主合金成份 錫95.5/3.8銀/0.7銅

(3) **Manufacturing (Country) and Supplier Name**
製造地(國)及供應商名稱

Country of Origin **China**
原產地 **中國**

Supplier **LIAN JING METAL MATERIAL CO.,LTD**
供應商 **聯景金屬材料(惠州)有限公司**

Manufacturer **LIAN JING METAL MATERIAL CO.,LTD**
製造廠名稱 **聯景金屬材料(惠州)有限公司**

(4) **Appearance and Dimension (For Reference)**
外觀與尺寸(參考用)

Figure (1) Wire Cross Section 圖(1) 錫絲剖面圖

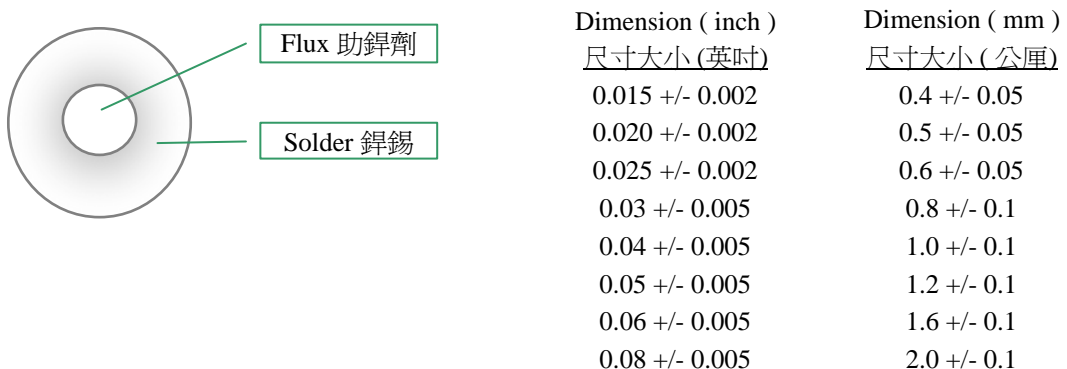
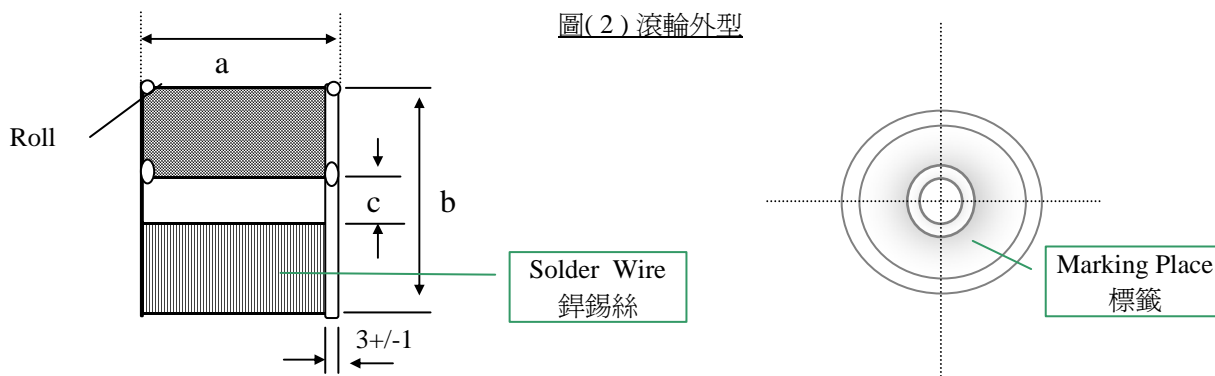


Figure (2) Roll-Shape

圖(2) 滾輪外型



Weight/ Roll 重量/卷	Dimension 尺寸		
	a	b	c
1kg	67mm	72mm	20mm

(5) Characteristics 特性

5.1 Chemical Composition 化學成分

Item 項次	Specification 規格											
	Composition 成分(%)			Impurity 不純物(%)								
Solder 錫錫	Sn	Ag	Cu	Pb	Sb	Zn	Fe	As	Ni	Bi	Cd	Al
		Bal.	3.8 ±0.2	0.7 ±0.1	<0.1 %	<0.25	<0.002	<0.02	<0.03	<0.01	<0.1	<0.002
Flux 助錫劑	Flux Content 助錫劑含量 1.8 ~ 2.2%											

5.2 Physical Characteristic 物理特性

Alloy Designation 合金	Melting Point 熔點	Specific Gravity 比重
Sn / 3.8Ag/ 0.7Cu	217~218	7.40g/cm ³

5.3 Characteristics of Flux 助錫劑特性

Item 項次	Specification 規格	Test Methods
1. Halogen Content 鹵素含量	<0.1%	JIS Z 3197-86
2. Dryness 乾燥度	The surface of the residue shall be free from tackiness permitting easy removal. 產品表面殘留無黏著力,容易清除.	JIS Z 3197-86
3. Copper Plate Corrosion 銅板腐蝕	No corrosion occurred. 沒有腐蝕發生	JIS Z 3197-86
4. Water Extraction Resistivity 水溶液比電阻	>100000 -cm	JIS Z 3197-86
5. SIR Value 表面絕緣阻抗	>1×10 ¹¹	JIS Z 3197-86

5.4 Solderability 銲錫性

Item 項次	Specification 規格	Test Methods 測試方法
Spread Factor 擴散率	>75%	JIS Z3197-86

Remark: The melting temperature shall be 217~218

備註:熔解溫度應該是 217~218

(6) Quality 品質

- 6.1 The Flux should be compounded and processed in such a manner as to be uniform in quality and should be free from deleterious material and other details that will after life serviceability or appearance.
助銲劑應該要複合加工，在品質上講求一致性並且是屬於無毒物料。
其他細節是在生活上可使用或是外觀上可詳見。
- 6.2 Recommended temperature of soldering iron tip : 370~430
(According to different dimension, adjust the suitable temperature of soldering)
建議銲錫工作溫度為：370~430（依線徑粗細不同，調整最適合的工作溫度條件）

(7) Marking and Packing 標示與包裝

Flux cored lead-free solder wire should be coiled to the roll and package with the specified method with 10 rolls in one package. Each box shall be indicated following items on the side of roll in and on the package.

無鉛錫絲包裝是盤繞成一個線捲輪，並且10個捲輪裝成一箱，每一個捲輪都應該於側包裝標示且每一箱都應該標示，如下所示

- 7.1 Manufacturer's name or trademark 製造商名稱或商標
- 7.2 Production date or code (including production lot number) 生產日期或型號(包括生產料號)
- 7.3 Designation, symbol and trade name of the product 產品名稱，符號，及產品交易名稱
- 7.4 Weight 重量
- 7.5 Guaranteed shelve life 產品保固期限
- 7.6 Classification of solvent etc. Toxic or safety of chemical goods specified by the municipal law chlorine and bromine activation.
溶劑的分類等等...化學產品的有毒或安全性,特別是法律規定氯和溴的活化性。
- 7.7 Material and capacity of container 產品及容器的容積。

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