



TECHNICAL DATA SHEET

Sn99.3Cu0.7 Lead Free Solder Wire

PRODUCT DESCRIPTION

PAI Sn99.3Cu0.7 RoHS compliance solder wires are being formulated with virgin raw metals processed in state-of-the-art Vaccumalloy Technology that brings world class quality along. Here, oxygen interaction with alloy is nil and thus, dross formulation is reduced at PCB assembly process. Also an increased flow rate & reduced impurities found. PAI Sn99.3Cu0.7 alloy is compatible for a typical range of flux application formulas used in Electronics Industry today.

STORAGE AND HANDLING

- Do not use fire near storage area.
- Store in dry, cool and non-corrosive environment.
- Wear Personal Protective Equipments while handling.
- Wear Personal Protective Equipments while processing.

PRODUCT SPECIFICATION

SI No	Item	Specification	Standard
1	Appearance	Bright and shiny surface finishes	
2	Alloy	Sn99.3Cu0.7	JIS-Z-3282 A CLASS, ISO9453
3	Melting Point	227°C	DSC
4	Flux Content	1.5%,2%,2.2% & 2.3% ±0.2 % NC flux	JIS-Z-3283
5	Halide Content Under	0.05%	J-STD-004
6	Gravity	7.4gm/cm ³ at 20° C	
7	Spread ability	> 80%	JIS-Z-3197
8	Packaging	500gm	
9	Diameters / Tolerances	16SWG,18SWG,20SWG,22SWG,24 SWG & 26 SWG	JIS-Z-3283
10	Flux Type	ROLO	J-STD-004
11	Shelf Life	5 Years	NA
12	RoHS Complaint	Yes	International Standards
13	Features	Excellent solder joint reliability. Superior joint strength. Excellent thermal & Mechanical fatigue resistance.	
14	Purpose	For use in applications requiring good activation.	

Regd Off & Works:
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PHYSICAL PROPERTIES.

No	Test Item	Test Result	Test Method
1	Silver Chromate Test	PASS	IPC-TM-650, 2.6.33
2	Copper Mirror Test	PASS	IPC-TM-650, 2.6.32
3	Copper plate Corrosion	PASS	JIS-Z-3197, 6.6.1
4	S.I.R Test	1x10 ⁹ up	IPC-TM-650, 2.6.3.3
5	Electro migration Test	1x10 ¹² up	IPC-TM-650, 2.6.14.1

ALLOY COMPOSITION:

(Sn)	(Cu)	(Zn)	(Al)	(Sb)	(Fe)	(As)	(Bi)	(Cd)	(Pb)
REM.	0.6~ 0.8	0.001 MAX	0.001 MAX	0.10 MAX	0.02 MAX	0.03 MAX	0.10 MAX	1 PPM	100 PPM

For more details, please visit Our Website at www.persangalloy.com or write to us.

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