



# TECHNICAL DATA SHEET

## Sn99.3Cu0.7 Pb Free SOLDER STICKS

### PRODUCT DESCRIPTION

PAI Sn99.3Cu0.7 RoHS Compliance Solder Sticks are being formulated with High Virgin Raw Metals Processed in state-of-the-art Vaccualloy 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 increase 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.

### ALLOY COMPOSITION

(Sn)	(Cu)	(Zn)	(Al)	(Sb)	(Fe)	(As)	(Bi)	(Cd)	(Pb)
REM.	0.6~ 0.8%	0.003 MAX	0.005 MAX	0.20 MAX	0.02 MAX	0.03 MAX	0.10 MAX	0.002 MAX	0.07 MAX

### PHYSICAL CHARACTERISTICS OF APPLICATION

Alloy	Sn99.3Cu0.7
Shape	Rectangular Form
Density	7.4gm/cm <sup>3</sup> at 20 <sup>0</sup> C
Melting Temperature	227 <sup>0</sup> C.
Package Form	25Kgs
Application	Wave Soldering / HASL Process
Standards Considered	IPC J-STD-006B
Shelf Life	10 Years

### TECHNICAL SPECIFICATIONS

Technical Factors Recommended	Specifications
Solder Pot Temperature	260°C to 272°C
Dwell Time	3 Sec to 5 Sec
Immersion	0.5% to 0.70% of PWBs Thickness that being Processed
Dross Recovery	Once in Every 8 Hours
Impurities Level Check	In-House Specifications
Cu Content	<1%
Other Factors	Refer Liquid Flux Manufacturer Specifications for desired Yields



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**PERSANG ALLOY INDUSTRIES PVT. LTD.**



SOLDER PRODUCTS.

**Note:** The recommendations stated above have been contributed for desired Solder Joints and shall modify if required based on the end user Specifications.

For more details, please visit Our Website at [www.persangalloy.com](http://www.persangalloy.com) or write to us.



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