



## LEAD FREE SOLDER WIRE

Product No.: PF608-R

NO.	Item	Spec.	Standard
1	Appearance	Produce bright shiny solder joints.	
2	Alloy	Sn-Ag3.9-Cu0.6	JIS-Z-3282 A type
3	Melting Point	About 219□	DSC
4	Flux Content	2.5~3.5%	JIS-Z-3283
5	Halide Content	< 0.1%	JIS-Z-3283
6	SPECIFIC GRAVITY	7.4 g/cm <sup>3</sup>	
7	Spread Test	> 75%	JIS-Z-3197
8	Packing Weight	0.5 , 1.0 kg/roll	JIS-Z-3283
9	Shape & Tolerance	0.3~0.6± 0.05 mm/0.8~3.0± 0.1 mm	JIS-Z-3283
10	Symbol	Alloy JIS Z3283	JIS-Z-3283
11	Features	Excellent solder joint reliability. Superior joint strength. Excellent thermal & Mechanical fatigue resistance. Low cleaning required after solder joint.	
12	Purpose	For use in applications requiring good activation.	

### PHYSICAL PROPERTIES

No.	Test Item	Test Result	Test Method
1	Flux Content	2.5~3.5%	JIS-Z-3291, 6.1
2	Halide Content	<0.1%	JIS-Z-3197, 6.5
3	Spread Test	> 75%	JIS-Z-3197, 6.10
4	Silver Chromate Test	PASS	IPC-TM-650, 2.6.33
5	Copper Mirror Test	PASS	IPC-TM-650, 2.6.32
6	Copper Plate Corrosion Test	PASS	JIS-Z-3197, 6.6.1
7	S.I.R. Test ▲	> 1×10 <sup>11</sup>	JIS-Z-3197, 6.8

▲ Test Conditions : 85□ , 85% RH

### ALLOY COMPONENT

	Sn	Ag	Cu	Ni	Ge	Pb	Sb	Bi	Zn	Fe	Al	As	Cd
REM		3.7 ~ 4.0	0.4 ~ 0.8	0.01 MAX	0.01 MAX	0.1 MAX	0.12 MAX	0.10 MAX	0.002 MAX	0.02 MAX	0.002 MAX	0.03 MAX	0.002 MAX

wt%



## TECHNICAL DATA SHEET

Product Name: **LEAD FREE SOLDER WIRE (Sn- 4Ag- 0.5Cu)**

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### PRODUCT DESCRIPTION & FEATURES

Environmental friendly, this alloy composition has eliminated lead for which might be harmful to human body, instead, we use silver and copper to replace lead. Produced by pure tin, silver and copper, Impurities are lowered to the minimum.

### PACKING AVAILABILITY

- Packing per carton: about 1.0kg/roll or 5.0kg/roll.
- Packing per box: 10 rolls for one box.

### HANDLING AND STORAGE

Wash hand after skin contact with PF608-R, do not put near fire or flame, keep away from direct sunlight, and keep out of reach of children. This product is ready to use.

### PHYSICAL PROPERTIES

Liquids Temperature: +/- 217°C.

Specific Gravity: +/- 7.4

Alloy Composition (%):

Element	Sn	Pb	Sb	Cu	Bi	Zn	Fe	Al	As	Cd	Ag
<b>Spec.</b>	Rem.	< 0.1	< 0.12	0.5±0.2	< 0.1	< 0.002	< 0.02	< 0.002	< 0.03	< 0.002	4.0±0.5

\*Kindly refer to Material Safety Data Sheet of this product for further safety and technical information.