

Lead Free Solder Wire



RoHS
Compliant



Features

- Excellent solder joint reliability.
- Superior joint strength.
- Excellent thermal & Mechanical fatigue resistance.
- Low cleaning required after solder joint.

Specifications

Characteristics		Standard
Appearance	Bright and shiny surface finishes	
Alloy	Sn/ Cu 0.7	JIS-Z-3282
Melting Point	227°C to 228°C	DSC
Flux Content	3 ±1%	JIS-Z-3283
Halide Content	Under 0.5%	JIS-Z-3197
Gravity	7.3	
Spread Ability	>75%	JIS-Z-3197
Diameters (Tolerances)	0.3mm to 0.6mm ±0.05mm, 0.8mm to 3mm ±0.1mm	JIS-Z-3283
Storage, Handling and Shelf Life	Storage must be in a dry, non-corrosive and shine environment. Avoids the oxidant, the acid and the hydrogen peroxide. Shelf life is 2 years from date of manufacture.	

Physical Properties & Reliability Data

No	Test Item	Test Result	Test Method
1	Copper Mirror Test	PASS	IPC-TM-650, 2.3.32
2	Copper Plate Corrosion	PASS	JIS-Z-3197, 6.6.1
3	S.I.R Test	PASS 1x10 ¹⁰ up	IPC-TM-650, 2.6.3.3
4	Electro Migration Test	PASS 1x10 ¹⁰ up	IPC-TM-650, 2.6.14.1



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Alloy Composition

Sn	Cu	Ag	Ni	Bi	Zn	Al	Sb	Fe	As	Cd	Pb	In	Au
Rem.	0.5~0.9	0.1 MAX	0~0.01	0.1 MAX	0.001 MAX	0.001 MAX	0.05 MAX	0.02 MAX	0.03 MAX	0.002 MAX	0.05 MAX	0.1 MAX	0.05 MAX

Part Number Table

Description	Part Number
Solder Wire, Sn 99.3/Cu 0.7, 0.7mm Dia, 100G	D01685
Solder Wire, Sn 99.3/Cu 0.7, 0.7mm Dia, 500G	D01686
Solder Wire, Sn 99.3/Cu 0.7, 1.2mm Dia, 100G	D01687
Solder Wire, Sn 99.3/Cu 0.7, 1.2mm Dia, 500G	D01688
Solder Wire, Sn 99.3/Cu 0.7, 0.7mm Dia, 50G	D03341
Solder Wire, Sn 99.3/Cu 0.7, 0.7mm Dia, 250G	D03342
Solder Wire, Sn 99.3/Cu 0.7, 1.2mm Dia, 12.5G	D03343
Solder Wire, Sn 99.3/Cu 0.7, 1.2mm Dia, 50G	D03344
Solder Wire, Sn 99.3/Cu 0.7, 1.2mm Dia, 250G	D03345

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