

NO-LEAD SOLDER 1MM Sn-Cu0.7 TECHNICAL DOCUMENTS

1. Product Code : TIN 100NPB。
2. Shape & Size : A coil of wire, 1.0 mm \pm 0.1 mm。
3. Appearance : Metal coiling。
4. Packaging : 100 gram roll, 50 rolls in boxes。
5. Features : The solder joint surface is smooth and excellent wetting ability。
6. Purpose : It is suitable for soldering for assembly of electronic and electrical appliance products with manual or automatic operation。
7. Standard : It is conform to JIS-Z-3282 and JIS-Z-3283 standards。
8. Alloy composition:

(1) Main composition (wt%)

Sn	Cu
99.3 ± 0.5	0.7 ± 0.1

(2) Impurities (wt%)

Pb	Sb	Bi	Zn	Fe	Al	As	Cd

Date of revision : Oct. 01 2013

0.05	0.12	0.10	0.002	0.02	0.002	0.03	0.002
Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.

9. Physical Properties:

Main Composition	Melting Point (°C)	Gravity
Sn99.3/Cu0.7	227	Approx. 7.3

10. Characteristics of Flux:

Test Item	Characteristics
Dryness	Chalk powder is easily removed
Chlorine Content (wt%)	0.50 ~ 0.90
Copper plate corrosion test	Remarkable corrosion is not observed
Copper mirror corrosion test	Remarkable corrosion is not observed
Water solution resistance (Ω .m)	² 5 × 10 Min.
Insulation resistance (Ω)	¹⁰ 5 × 10 Min.
Flux Content (wt%)	2 ± 0.5
Spreading (%)	75% Min.

- 11. Operating temperature: 350 °C ~ 450°C。
- 12. Guarantee Period : This product is expired 24 months after production date。
- 13. Storage condition :This product shall be stored in a dry place。

13. Product photos :



