



96SC and 97SC Alloy

February 2005

Lead Free Solder Alloys for Electronics

PRODUCT DESCRIPTION

MULTICORE® 96SC and 97SC alloys are designed to be lead free substitutes for tin/lead alloys in all electronics assembly soldering operations. Some advantages of MULTICORE® 96SC and 97SC are:

- Best all-around lead-free alternative
- Proven in production use for electronics manufacturing
- Lowest melting high-tin, lead free alloy without undesirable additions
- Eutectic alloy (no melt range)
- Enhanced wetting characteristics
- Meets or exceeds QQ-S-571, J-STD-006 and JIS Z 3282 Class A requirements

PROPERTIES OF ALLOYS

Alloy composition:

MULTICORE® 96SC (SAC387) 95.5%Sn: 3.8%Ag:0.7%Cu

MULTICORE® 97SC (SAC305) 96.5%Sn: 3.0%Ag:0.5%Cu

Meltpoint:

Eutectic at 217C (423F) for both alloys

Available Forms:

Both alloy are available as either solder paste (no-clean and water washable) and cored solder wire.

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Data Ranges

The data contained herein may be reported as a typical value and/or range (based on the mean value ± 2 standard deviations). Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property

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