



Ultrapure® High Reliability Extruded Bar Solder

Lead-bearing and Lead-free alloys

Product Description

For soldering applications which require maximum reliability of solder joints, especially for surface mounted components, only solder of the highest purity is acceptable. Kester does not make any vague claims of outstanding solder purity. Complete analysis of Kester Ultrapure® Bar Solders prove that every batch conforms to the strictest quality control standards in the solder industry.

Maximum Allowed Impurities

Kester Ultrapure® Bar Solder substantially exceeds the requirements of current industry standards for allowable impurity requirements.

| Element | J-STD-006B | Kester E-Bar | Kester Ultrapure® | Ultra Low Dross | Ultrapure® HAL |
|----------|------------|--------------|-------------------|-----------------|----------------|
| Copper | 0.080 | 0.020 | 0.015 | 0.015 | 0.001 |
| Gold | 0.050 | 0.002 | 0.002 | 0.002 | 0.001 |
| Antimony | 0.050 | 0.050 | 0.050 | 0.050 | 0.010 |
| Cadmium | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 |
| Zinc | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| Aluminum | 0.005 | 0.002 | 0.002 | 0.002 | 0.001 |
| Iron | 0.020 | 0.010 | 0.010 | 0.010 | 0.003 |
| Arsenic | 0.030 | 0.020 | 0.020 | 0.020 | 0.001 |
| Bismuth | 0.100 | 0.025 | 0.020 | 0.020 | 0.003 |
| Silver | 0.100 | 0.003 | 0.002 | 0.002 | 0.001 |
| Nickel | 0.010 | 0.002 | 0.002 | 0.002 | 0.001 |
| Indium | 0.100 | 0.007 | 0.007 | 0.007 | 0.002 |
| Lead | 0.100 | 0.050 | 0.050 | 0.050 | 0.050 |

Kester Ultrapure® will conform to these requirements when purchased directly or through stocking distributors. Only the highest purity virgin metals are used to make Kester Ultrapure®. Kester is the only manufacturer of Ultrapure® quality solder. Kester Ultrapure® meets or exceeds Industry Specification ASTM B32. Kester Ultrapure® conforms to the requirements of J-STD-006 formerly QQ-S-571F. DOD-STD-2000-1A (Soldering Technology, High Quality/High Reliability) states that it is the responsibility of the manufacturer to select those materials and processes that will produce acceptable high quality/high reliability products.

Available Alloys

| | Melting Point |
|---------------------|-----------------------|
| Lead-bearing | |
| Sn63Pb37 | 183°C (361°F) |
| Sn60Pb40 | 183-190°C (361-374°F) |
| Lead-free | |
| K100 | ~227°C (441°F) |
| Sn96.5Ag3.5 | 221°C (430°F) |
| Sn96.5Ag3.0Cu0.5 | 217-220°C (423-428°F) |
| Sn95.5Ag3.8Cu0.7 | 217-221°C (423-430°F) |
| Sn99.3Cu0.7 | 227°C (441°F) |
| Sn100 | 232°C (450°F) |

Storage and Shelf Life:

Kester Ultrapure® solder has no limited shelf life when handled properly. Storage must be in a dry, non-corrosive environment. The solder surface may lose its shine and appear a dull shade of gray. This is a surface phenomenon and is not detrimental to product functionality.

Health & Safety:

This product, during handling or use, may be hazardous to health or the environment. Read the Material Safety Data Sheet and warning label before using this product.

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The data recommendations presented are based on tests, which we consider reliable. Because Kester has no control over the conditions of use, we disclaim any responsibility connected with the use of any of our products or the information presented. We advise that all chemical products be used only by or under the direction of technically qualified personnel who are aware of the potential hazards involved and the necessity for reasonable care in their handling. The technical information contained herein is consistent with the properties of this material but should not be used in the preparation of specifications as it is intended for reference only. For assistance in preparing specifications, please contact your local Kester office for details.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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