



Ultrapure® Anodes For High Reliability Plating

Product Description

For soldering applications, which require maximum reliability for plating operations, especially for surface mounted components, only anodes of the highest purity are acceptable. Kester Solder does not make any vague claims of outstanding solder purity. Complete analyses of Kester Ultrapure® Anodes prove that every batch conforms to the strictest quality control standards in the solder industry.

Maximum Allowed Impurities

Element	J-STD-006	Ultrapure® Anodes <70% tin	Ultrapure® Anodes >70% tin
Copper	0.080	0.0015	0.0015
Gold	0.050	0.002	0.002
Cadmium	0.500	0.001	0.001
Zinc	0.002	0.001	0.001
Aluminum	0.003	0.002	0.002
Iron	0.005	0.010	0.010
Arsenic	0.020	0.020	0.020
Bismuth	0.030	0.020	0.030
Silver	0.100	0.002	0.002
Nickel	0.100	0.002	0.002
Indium	0.010	0.007	0.010
Antimony	0.100	0.020	0.030
Lead	0.200	0.100	0.100

Kester Solder purchased directly or through stocking distributors will conform to these requirements. Only the highest purity virgin metals are used to make Kester Ultrapure® Anodes. Certain military contract reference process specifications, such as WS-6536E, require 0.2-0.5% antimony in the solder. Solder with added antimony is available from Kester. Kester Ultrapure® Anodes 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. Only Kester makes Ultrapure® quality anodes.

Storage and Shelf Life:

Kester Ultrapure® Anodes have 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.