



QUALITEK



Sn96/Ag4
LEAD FREE
SOLDER BAR

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Description

Qualitek® Sn96/Ag4 is designed as a lead-free alternative for Sn/Pb alloys for electronics assembly operations. Sn96/Ag4 alloy has higher melting temperature than standard SAC alloys so may be used when high temperature assembly is required. The high silver content of Sn96/Ag4 alloy contributes to stronger, shinier joints.

Physical Properties

Solder Composition

Qualitek® Sn96/Ag4 conforms and exceeds the impurity requirements of IPC-J-STD-006C and all other relevant international standards.

Typical Analysis													
Sn	Ag	Cu	Pb	Sb	Bi	In	As	Fe	Ni	Cd	Al	Zn	Au
Bal	3.8 – 4.2	0.080 Max	0.070 Max	0.200 Max	0.100 Max	0.100 Max	0.030 Max	0.020 Max	0.010 Max	0.002 Max	0.005 Max	0.003 Max	0.050 Max

	Sn96/Ag4
Melting Point, °C	221-229
Hardness, Brinell	15 HB
Coefficient of Thermal Expansion	30.2
Tensile Strength, psi	8245
Density, g/cc	7.5
Electrical Resistivity , (μohm-cm)	12.3
Electrical Conductivity, %IACS	14.0

Handling & Storage

Sn96/Ag4 Solder bar storage should be in a 65-80 °F environment away from direct heat. We recommend using gloves when handling solder bar directly. Solder bar has an indefinite shelf life.

Packaging

Sn96/Ag4 solder bar is available in

Box of 20 2. lb. bars

Disposal

Sn96/Ag4 solder bar should be disposed of in accordance with federal, state & local authority requirements.

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