



Sn96.5/Ag3.5
LEAD FREE
SOLDER BAR

CORPORATE HEADQUARTERS USA: 315 Fairbank St. Addison, IL • 630-628-8083 • FAX 630-628-6543
EUROPE UK: Unit 9 Apex Ct. Bassendale Rd. Bromborough, Wirral CH62 3RE • 44 151 334 0888 • FAX 44 151 346 1408
ASIA-PACIFIC HEADQUARTERS SINGAPORE: 6 Tuas South St. 5 Singapore 637790 • 65 6795 7757 • FAX 65 6795 7767
PHILIPPINES: Phase 1 Qualitek Ave. Mariveles, Bataan Philippines C-2106 • 6347 935 4163 • FAX 63475613717
CHINA: 3B/F, YiPa Print Bldg. 351 # JiHua Rd., Buji Shenzhen, China 518112 • 86 755 28522814 • FAX 86 755 28522787

Description

Qualitek® Sn96.5/Ag3.5 is designed as a lead-free alternative for Sn/Pb alloys for electronics assembly operations. Sn96.5/Ag3.5 alloy has higher melting temperature than standard SAC alloys so may be used when high temperature assembly is required. The high silver content of Sn96.5/Ag3.5 alloy contributes to stronger, shinier joints.

Physical Properties

Solder Composition

Qualitek® Sn96.5/Ag3.5 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	3.3 – 3.7	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

	Sn96.5/Ag3.5
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

We recommend Sn96.5/Ag3.5 solder bar be stored in a dry environment, away from direct heat. We recommend using gloves when handling solder bar directly. Solder bar has an indefinite shelf life.

Packaging

Sn96.5/Ag3.5 solder bar is available in

Box of 20 2. lb. bars

Disposal

Sn96.5/Ag3.5 solder bar should be disposed of in accordance with federal, state and local authority requirements.

Qualitek® is a brand of Qualitek International, Inc. For Health and Safety Information, refer to Safety Data Sheet.