



Sn63/Pb37 Q-BAR & EQUALIZER SOLDER BAR

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Description

Qualitek® Q-Bar is available in standard leaded alloys, such as Sn63/Pb37 and Sn60/Pb40. Both Qualitek Q-Bar and Equalizer bar are made from Grade-A virgin metals. Sn63/Pb37 alloy is the conventional eutectic solder used in most electronic assemblies.

Physical Properties

Solder Composition

Qualitek® Sn63/Pb37 Q-Bar and Equalizer Bar conform to and exceed 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
62.5 –63.5	0.100 Max	0.080 Max	Bal	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

	Sn63/Pb37		Sn63/Pb37
Melting Point, °C	183 E	Yield Strength, psi	3950
Hardness, Brinell	14 HB	Total Elongation,%	48
Coefficient of Thermal Expansion	24.7	Joint Shear Strength, at 0.1mm/min 20 °C	23
Tensile Strength, psi	4442	Joint Shear Strength, at 0.1mm/min 100 °C	14
Density, g/cm ³	8.42	Creep Strength, N/mm ² at 0.1mm/min 20 °C	3.3
Electrical Resistivity, (μΩ-cm)	14.5	Creep Strength, N/mm ² at 0.1mm/min 100 °C	1
Electrical Conductivity, 10 ⁴ /ohm-cm	6.9	Joint Fatigue Cycle, 15N/mm ² 20 °C	1100
		10N/mm ² 100 °C	900

Handling & Storage

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

Sn63/Pb37 solder bar is available in

Box of 10 2.2 Lb. bar (1 kg) Kilobar
 Box of 5 11 Lb. bars (5 kg) Equalizer

Disposal

Sn63/Pb37 Q-Bar and Equalizer solder bar should be disposed of in accordance with federal, state & local authority requirements.

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