Germanium Doped Super Low Dross™ Solder Bar
Sn/Cu0.7/Ni0.05/Ge0.006 1lb (454g)

Product Highlights

Precision Cast High Purity High Reliability Solder Bar
Manufactured Specifically for High Quality Electronics Manufacturing (EMS, ECM, OEMs)
Designed for Solder Pots, Wave Solder Machines and Selective Solder Machines
Chip Quik® Super Low Dross™ Solder Bar is Ideal for Through Hole and Surface Mount Soldering
High Purity
This eutectic alloy has a uniform grain structure and produces bright shiny joints with no shrinkage.
The germanium in our CQ100Ge alloy acts as an anti-oxidant which significantly reduces dross when used in solder pots and wave soldering machines.

Specifications

Alloy:	Sn99.244/Cu0.7/Ni0.05/Ge0.006
Melting Point:	227°C (441°F)
Packaging:	1 lb (454 +/-20 g) bar
Shelf Life:	Indefinite

Purity

Element	IPC J-STD-006C	ChipQuik® Super Low Dross™ CQ100Ge™
Silver (Ag)	0.100 %	< 0.050 %
Aluminum (Al)	0.005 %	< 0.002 %
Arsenic (As)	0.030 %	< 0.030 %
Gold (Au)	0.050 %	< 0.030 %
Bismuth (Bi)	0.100 %	< 0.030 %
Cadmium (Cd)	0.002 %	< 0.002 %
Copper (Cu)	0.080 %	0.700 % +/- 0.100 %
Iron (Fe)	0.020 %	< 0.020 %
Indium (In)	0.100 %	< 0.030 %
Nickel (Ni)	0.010 %	0.050 % +/- 0.010 %
Lead (Pb)	0.070 %	< 0.050 %
Tin (Sn)	0.250 %	99.244 % (Balance)
Zinc (Zn)	0.003 %	< 0.002 %
Antimony (Sb)	0.200 %	< 0.050 %
Germanium (Ge)	NA	0.006 % +/- 0.001 %

Tolerances: +/-0.100% (Composition ≤ 1.000%), +/-0.200% (1.000% < Composition ≤ 5.000%), +/-0.500% (Composition > 5.000%)

Storage and Handling	Store in a dry non-corrosive environment.
Transportation	This product has no shipping restrictions.

Test Results

Test J-STD-004 or other requirements as stated	Test Requirement	Result
Conflict Minerals Compliance	Electronic Industry Citizenship Coalition (EICC)	Compliant
REACH Compliance	Articles 33 and 67 of Regulation (EC) No 1907/2006	Compliant

Conforms to the following Industry Standards:

J-STD-006C, Amendments 1 & 2 (Solder Alloys and Fluxed/Non-Fluxed Solders):	Yes
RoHS 3 Directive (EU) 2015/863:	Yes

Leaded Alloys	Melting Point	Orderable Part Number	Size
Sn63/Pb37	183°C (361°F)	BARSN63P37-8OZ	½ lb
		BARSN63P37	1 lb
Sn60/Pb40	183-188°C (361-370°F)	BARSN60P40-8OZ	½ lb
		BARSN60P40	1 lb
Sn62/Pb36/Ag2	179°C (354°F)	BARSN62PB36AG2-8OZ	½ lb
		BARSN62PB36AG2	1 lb

Lead Free Alloys	Melting Point	Orderable Part Number	Size
Sn96.5/Ag3.0/Cu0.5	217-220°C (423-428°F)	BARSN96.5AG3.0CU0.5-8OZ	½ lb
		BARSN96.5AG3.0CU0.5	1 lb
Sn99.3/Cu0.7	227°C (441°F)	BARSN99.3CU0.7-8OZ	½ lb
		BARSN99.3CU0.7	1 lb
Sn99.244/Cu0.7/Ni0.05/Ge0.006	227°C (441°F)	CQ100Ge	1 lb
Sn42/Bi57/Ag1	138°C (281°F)	BARSN42BI57AG1-8OZ	½ lb
		BARSN42BI57AG1	1 lb