

SAC-B 0307 LEAD-FREE SOLDER ALLOY

FEATURES

- Liquidus 227°C (441°F)
- Low Cost Sn-Ag-Cu Alloy
- Fast Wetting Comparable to SAC305
- Compatible with all Flux Types
- Complies with IPC J-STD-006

DESCRIPTION

SAC-B 0307 is a lead-free alloy containing 99.0% tin, 0.3% silver, and 0.7% copper. When used in wave or selective soldering, AIM's SAC-B improves fluidity versus other low-silver alloys. AIM's SAC-B 0307 is manufactured using the proprietary Electropure™ process which minimizes oxides during alloy manufacturing, resulting in reduced drossing, and improved solder flow and drainage. SAC-B 0307 may be used with existing equipment, processes, coatings, and flux chemistries.

AVAILABILITY

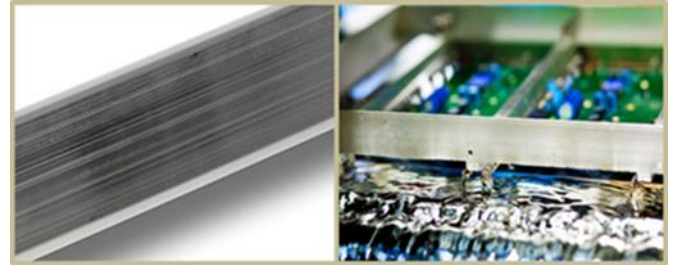
SAC-B 0307 is available in 1.1 kg (2.5 lb) triangular bars, hanging AIM Safety Bar and solid wire. SAC-B 0307 is also available in AIM flux cored wire solders and solder pastes.

TYPICAL ALLOY COMPOSITION

Typical Alloy Composition			
Sn: Balance	Ag: 0.3	Cu: 0.7	Bi: 0.1

TYPICAL MELTING TEMPERATURE

Typical Melting Temperature	
Solidus: 217°C (423°F)	Liquidus: 227°C (441°F)



HANDLING & STORAGE

Parameter	Time	Temperature
Shelf Life	7 years	Room Temperature

Solid wire and bar solder products have a shelf life of 7 years under proper storage conditions. For other product categories, refer to those product specific TDS's. Consult the SDS for specific handling procedures.

FLUX COMPATIBILITY

SAC-B 0307 bar solder is compatible with all major brands of no clean, RMA and water soluble electronic grade fluxes.

CLEANING

Refer to data sheets provided by the flux manufacturer.

SAFETY

Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying SDS for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.