

SAC0307 LEAD-FREE SOLDER ALLOY

FEATURES

- Liquidus 227°C (441°F)
- Low Cost Sn-Ag-Cu Alloy
- Excellent Solder Joint Reliability
- Fast Wetting Comparable to SAC305
- Excellent Fatigue Resistance
- Compatible with all Flux Types

DESCRIPTION

SAC0307 is a lead-free alloy comprised of 99.0% tin, 0.3% silver, 0.7% copper. When used in wave soldering, AIM's SAC0307 bar solder offers superior fluidity compared to other silver-free and low-silver alloys. AIM's SAC0307 bar solder is alloyed in the proprietary Electropure™ method that results in a low drossing, high wetting solder. AIM's Electropure process minimizes oxides during alloy manufacturing, resulting in reduced drossing, and improved solder flow and drainage. SAC0307 may be used with most existing equipment, processes, coatings, and flux chemistries.

AVAILABILITY

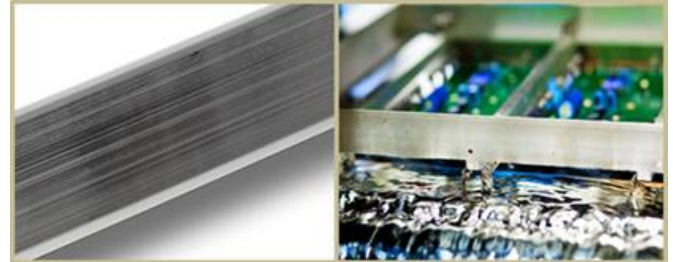
SAC0307 is available in 1.1 kg (2.5 lb) triangular bars, hanging AIM Safety Bar and solid wire. SAC0307 is also available in AIM flux cored wire solders and solder pastes.

TYPICAL ALLOY COMPOSITION

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

TYPICAL MELTING TEMPERATURE

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



HANDLING & STORAGE

Parameter	Time	Temperature
Shelf Life	Indefinite	Room Temperature

Indefinite shelf life applies to solid solder. For other product categories, refer to those specific TDSs. Consult AIM SAC0307 SDS for additional handling procedures and precautions.

FLUX COMPATIBILITY

SAC0307 bar solder is compatible with all major brands of no clean 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.