TECHNICAL DATA SHEET



SAC305 TAPE AND REEL PREFORMS

FEATURES

- Precise and Repeatable Volume Accuracy
- Can be Used with Pick and Place Machines

DESCRIPTION

Tape and Reel Preforms are designed for applications that require precise and repeatable solder volume using pick and place equipment. Tape and Reel Preforms are available in 0201, 0603, 0402, 0805, 120060, and 0201 sizes. SAC305 is a lead-free alloy that contains 96.5 % tin, 3% silver, and 0.5% copper. This alloy falls under the JEIDA recommendation for lead-free soldering. SAC305 may be used with most existing equipment, processes, coatings, and flux chemistries.

PHYSICAL PROPERTIES

Specific Gravity: Approx. 7.38

Melting Temperature: 217°-218°C (423°-424°F)

ALLOY COMPOSITION

Sn	Ag	Cu
Balance	3.0	0.5

TYPICAL IMPURITY LEVELS

Typical Impurity Levels					
Al: < 0.001	Sb: 0.02	Cd: < 0.001	Fe: <0.01	In: <0.01	
As: < 0.01	Bi: 0.01	Zn: < 0.001	Ni: < 0.002	Pb: 0.02	

FLUX COMPATIBILITY

SAC305 solder is compatible with all major no-clean and water soluble electronic grade fluxes on the market today.

CLEANING

Refer to data sheets provided by the flux manufacturer.

HANDLING & STORAGE

Consult the SDS for specific handling procedures.

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.

> Document Rev #NF1 Page 1 of 1

DISCLAIMER The information contained herein is based on data considered accurate and is offered at no charge. Product information is based upon the assumption of proper handling and operating conditions. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of any materials designated. Please refer to http://www.aimsolder.com/terms-conditions to review AIM's terms and conditions.