

Product Data Sheet

Tape and Reel Preforms

Introduction

Solder Preforms are used in a variety of applications that require precise amounts of solder. Dimensions can be held to tight tolerances to assure volume accuracy. Solder preforms are available in a variety of alloys, including indium, gold, tin, lead, and many others.

Solder Preforms come in standard shapes, such as squares, rectangles, washers, and discs. Typical sizes range from 0.010" (.254mm) up to 2" (50.8mm). Smaller and larger sizes, as well as custom shapes, are also available.

Tape and Reel packaging of preforms allows for easier use in high volume and automated manufacturing environments.



Applications

Tape and Reel Preforms offer advantages over loose-packed preforms in many applications. Some common examples are:

- **Automation** – **Tape and Reel Preforms** allow for easy use with pick and place equipment in SMT lines. They can be precisely placed as fast as your equipment will allow.
- **Solder Fortification** – There are certain instances in SMT applications where simply printing paste does not provide sufficient solder volume. Rather than resort to step stenciling or dispensing, a placed preform can be more efficient by giving you precise, repeatable solder volume.

Flexibility

Tape and Reel pockets are available in a wide range of sizes to accommodate various preform shapes and sizes.

Shelf Life

The shelf life of solder preforms is dependent on the alloy composition. Pb-free alloys, and alloys with lead content of less than 70%, have a shelf life of 1-year from the date of manufacture (DOM). Alloys with lead content >70% have a shelf life of 6-months from the DOM.

Technical Support

Indium Corporation's internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of Material Science as it applies to the electronics and semiconductor sectors, Technical Support Engineers provide expert advice in solder properties, alloy compatibility and selection of solder preforms, wire, ribbon and paste. Indium Corporation Technical Support engineers provide Rapid Response to all technical inquiries.

Material Safety Data Sheet

The MSDS for this product can be found online at <http://www.indium.com/techlibrary/msds.php>

Also available: solder preforms, solder wire, solder ribbon and foil, solder paste, solder spheres, solder fluxes, solder ingot, and other solder fabrications.

This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance of the products described which are sold subject exclusively to written warranties and limitations thereon included in product packaging and invoices.

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