



Solder Fortification™ Preforms

Tape and Reel Preforms

Flux Coatings for Solder Preforms

Solder Fortification™ Preforms

Features

- Increased solder volume
- Improved drop test results
- Fewer issues with flux residue
- Reduced rework
- Improved fillet shape and volume



Advantages

The advantages of Solder Fortification™ Preforms

include:

- Increased solder volume compared to what could be achieved with just solder paste
 - Fewer issues with flux residue
 - Elimination of costly or time-consuming processes,
such as wave soldering or selective soldering
 - Stronger solder joints which help improve drop test results
 - Reduced rework and other manual processes to add solder volume
 - Improved shape and volume of fillet to ensure joints meet IPC specifications
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Solderable Preform 0201

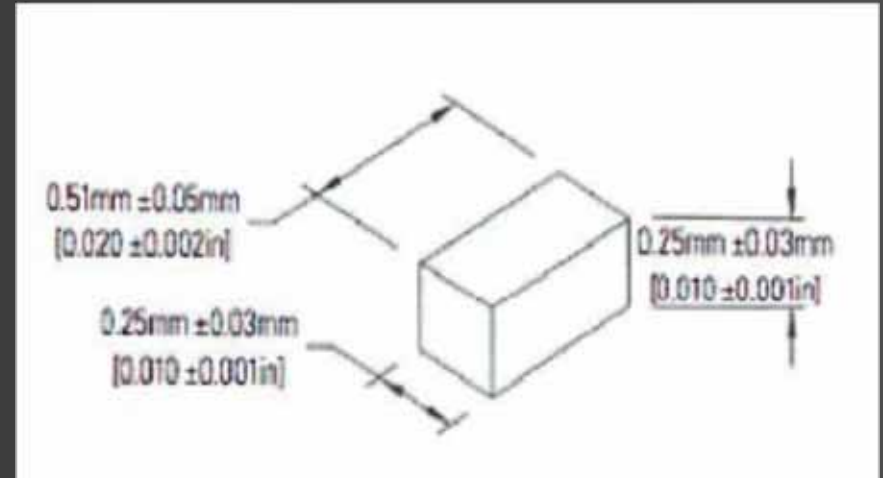
(Tape and Reel Preforms)

Material : SAC305

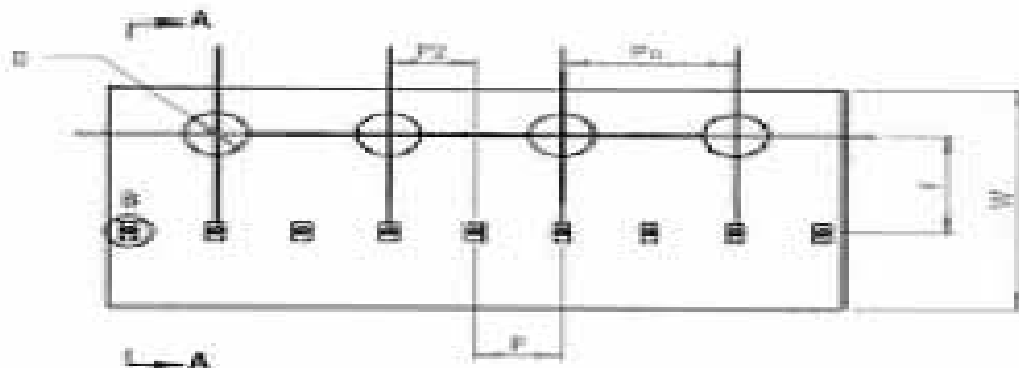
Standard Packaging : 50K per 13" Reel

13" Reel to have a 2.5" center hub

Carrier Tape $D=1.500\text{mm}+0.100-0.000\text{mm}$
 $P=2.000\text{mm}\pm 0.100\text{mm}$
 $P_0=4.000\text{mm}\pm 0.100\text{mm}$
 $P_2=2.000\text{mm}\pm 0.050\text{mm}$
 $W=8.000\text{mm}+0.30-0.10\text{mm}$
 $F=3.500\text{mm}+0.25-0.00\text{mm}$



Pocket $A_0=0.36\text{mm}\pm 0.03\text{mm}$
 $B_0=0.67\text{mm}\pm 0.03\text{mm}$
 $K_0=0.31\text{mm}\pm 0.03\text{mm}$



Flux Coatings for Solder Preforms

Features

- Eliminates the need for a separate fluxing step
- Eliminates excessive flux residue
- Delivers flux precisely where it is needed
- Provides a uniform amount of flux every time

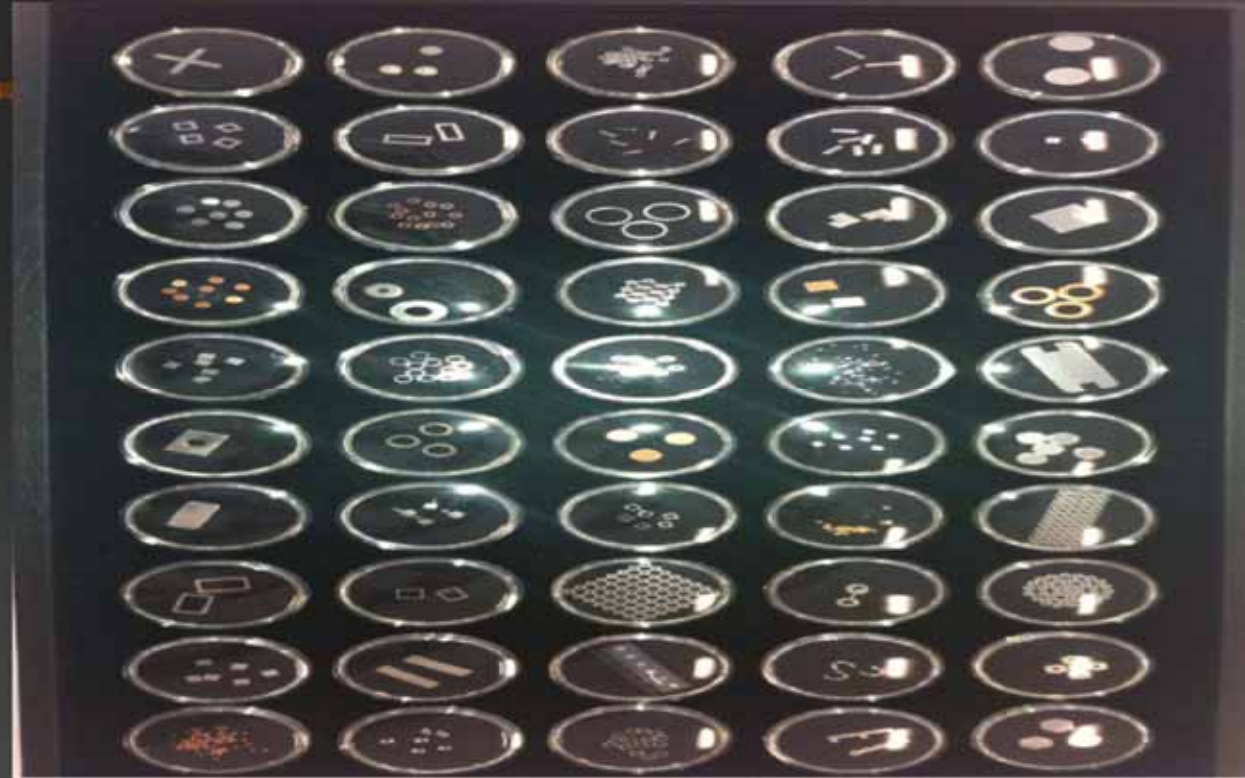


FLUX COATING	IPC CLASSIFICATION	SUBSTRATE FINISHES	RELIABILITY J-STD-004
NC-10HF	ROLO	Au, Ag, Pd, Pt, Cu, HASL, ENIG, Sn	Pass
NC-7	ROLO	Au, Ag, Pd, Pt, Cu, HASL, ENIG, Sn	Pass
NC-9	ROL1	Au, Ag, Pd, Pt, Cu, HASL, ENIG, Sn	Pass
R	ROLO	Au, Ag, Pd, Pt, Cu, HASL, ENIG, Sn	Pass
RMA	ROLO	Au, Ag, Pd, Pt, Cu, HASL, ENIG, Sn	Pass
RA	ROL1	Cu, Ni, Cu Alloys (Brass, Bronze)	Cleaning recommended
RSA	ROL1	Cu, Ni, Cu Alloys (Brass, Bronze)	Cleaning recommended

A Variety of Solder Preforms

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.