

ALPHA® OL233HF

무 세정, 무연, 무 할로겐 솔더 페이스트

개요

ALPHA OL233HF 는 높은 전기적 신뢰성이 요구되는 애플리케이션에 적합한 무연, 무 할로겐, 무 세정 솔더 페이스트이다.

ALPHA OL233HF 는 Telcordia 에서 지정한 요구 사항을 충족하고, 0603 (mm) 구성 요소에 대해 일관된 미세 피치 인쇄를 가능하게 하고 랜덤 솔더 볼 및 또는 MCSB (미드 칩 솔더 볼)를 줄이기 위해 설계되었습니다.

이 제품을 사용하기 전에 전체 기술 데이터 시트를 읽으십시오.

특징/장점

- 긴 스텐실 수명 : 최소 8 시간 연속 인쇄를 위한 일관된 성능.
- 길고 높은 점착력 수명 : 23 ~ 25 ° C / 40 ~ 60 % RH 에서 24 시간 이상 100gf 달성
- 우수한 습윤 성능 : 최대 직경 6.5mm 의 넓은 면적에 대해 De-wetting 이 덜함.
- 솔더 볼 감소 : 랜덤 볼과 MCSB 를 줄여 재 작업을 최소화하고 최초 수율을 높입니다.
- 할로겐 함량 : 제로 할로겐, 의도적으로 추가 된 할로겐 없음
- 안전하고 환경 친화적 : 재료는 RoHS 및 무 할로겐 요구 사항을 준수합니다.

제품 정보

<u>Alloy:</u>	SAC305
<u>Powder Size:</u>	Type 4
<u>Packaging Sizes:</u>	500 gram jars
<u>Lead Free:</u>	Complies with RoHS Directive 2011/65/EC

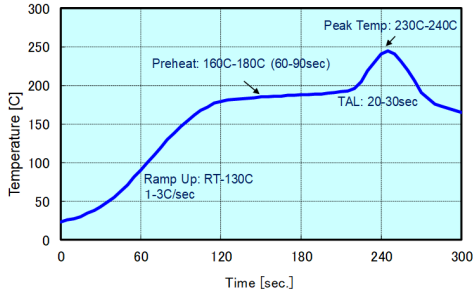
할로겐 현황

할로겐 규격			
표준	요구사항	시험방법	결과
JEITA ET-7304 Definition of Halogen Free Soldering Materials	< 1,000 ppm Br, Cl, F in solder material solids	TM EN 14582	Pass
IEC 612249-2-21	Post Soldering Residues contain < 900 ppm each or total of < 1,500 ppm Br or Cl from flame retardant source		Pass
JEDEC A Guideline for Defining "Low Halogen" Electronics	Post soldering residues contain < 1,000 ppm Br or Cl from flame retardant source		Pass

기술자료

범주	결과	절차/비고
화학적 성질		
Activity Level	ROL0	IPC J-STD-004B
Ag Chromate Test	Pass	GR-78-CORE
Copper Mirror Test	Pass	JIS Z 3197
	Pass	GR-78-CORE
동판 부식 시험	Pass	JIS Z 3284
전기적 성질		
수용액 저항	> 14,000 ohm cm	JIS Z 3197
SIR	> 1 x 10 ¹⁰ ohm (40 °C/90%RH/168 hours)	JIS Z 3284
	> 2 x 10 ¹⁰ ohm (35 °C/85%RH/96 hours)	GR-78-CORE
Electromigration	> 1 x 10 ⁹ ohm (85 °C/85%RH/1008 hours)	JIS Z 3284
	No remarkable corrosion. Resistivity greater than 1/10 of initial value No dendrites that reduce the space by more than 20%	GR-78-CORE

리플로우 프로파일



파라미터	가이드라인
Atmosphere	Air or N ₂
Ramp Up (RT-130 °C)	1 to 3 °C / sec
Pre-heat	160 to 180 °C (60 to 90 sec)
TAL	20 to 30 sec
Peak Temp	230 to 240 °C

안전 및 경고

회사 / 운영자는 사용하기 전에 적절한 건강 및 안전 경고에 대한 안전 데이터 시트를 읽고 검토하는 것이 좋습니다. 안전 데이터 시트는 MacdermidAlpha.com/assembly-solutions/knowledge-base 에서 제공됩니다.

보관

안정성을 보장하기 위해 0 ~ 10 ° C (32 ~ 50 ° F)에서 냉장 보관하십시오. 이러한 조건에서 보관할 경우 ALPHA OL233HF 의 유효 기간은 6 개월 입니다.

연락 정보

이 문서가 최신 버전인지 확인하려면 Assembly@MacDermidAlpha.com

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE . Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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