

DELTA SOLDER PASTE 825HF

X-Treme Activity, Halogen-Free, Lead-Free, No-Clean Solder Paste

INTRODUCTION

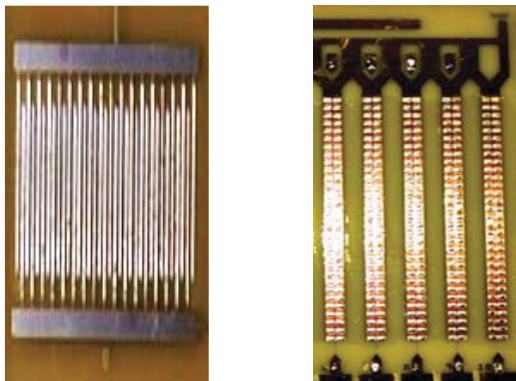
DSP 825HF is a lead-free, no-clean, halogen-free solder paste designed specifically with robust flux activity and enhanced printing characteristics for ultra-fine pitch applications. DSP 825HF offers enhanced features such as extended shelf life, room temperature stable at 6 months. It provides an x-treme fluxing activity level with excellent wetting on copper OSP-coatings. Wide reflow process windows combined with high thermal stability yield solder joints with smooth surfaces.

In addition, DSP 825HF offers repeatable, consistent printing characteristics combined with long stencil life and tack time to accommodate high speed printing. This material yields excellent printing capabilities across various board designs and ultra-fine pitch down to 0.3mm pitch with excellent paste release to achieve brick like print results.

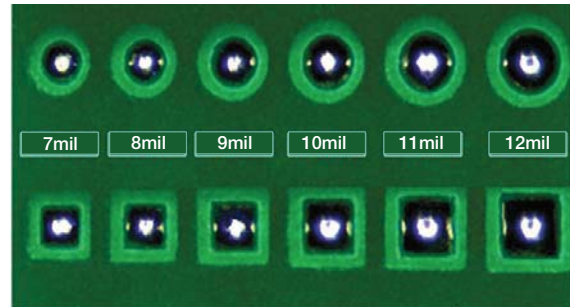
MAIN FEATURES

- Enhanced print characteristics utilizing proprietary paste flux manufacturing techniques
- Temperature Stable 6 months < 25 °C at room temperature
- Excellent wetting and coalescence for pads as small as 0.25m (0.010") with 4 mil stencil
- Superior resistance to hot slump
- Extended Stencil Life and Tack Time
- Prolonged Shelf Life
- Medium soft non-cracking residue/pin testable
- More forgiving TAL flux formulation to minimize and eliminate Voids
- Suitable with air or nitrogen atmosphere
- Complies with RoHS Directive 2011/65/EC

High SIR & Passes Bono Testing



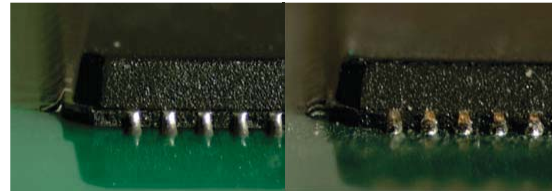
Excellent Wetting And Coalescence - Circle and Square Pads 7 - 12 Mil



Excellent Wetting On Oxidised Surface

DSP 825HF Paste

Paste A



PRODUCT SPECIFICATIONS

Product	DSP 825HF
Process	No-Clean, Printing
Flux Classification IPC J-Standard-0048	ROL0
Lead-Free Alloys	SAC305, SAC405, SAC105, SAC0307, Sn96.5/Ag3.5, Delta 99C, Sn100e, Ecolloy, Cyclomax
Particle Size	Type 3, 4, 5, 6 - For SAC305 Type 3, 4 - For all other alloys
Melting Range	Refer to Alloy Chart
RoHs Compliant	Yes



LEARN MORE: www.qualitek.com USA : +1-630-6288083
CHINA : +86-755-28522814 EUROPE: +44-151-3340888
SINGAPORE: +65-67957757 PHILIPPINES: +63-47-9354119

