



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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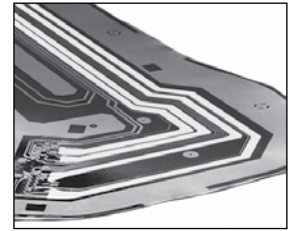
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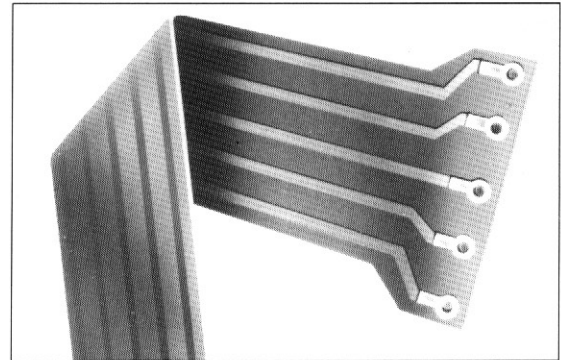
# CHO-FLEX™ 601

## CONDUCTIVE COATING



### Customer Value Proposition:

CHO-FLEX™ 601 one-component conductive coating is designed specifically for EMI shielding of copper/Kapton\* flexible circuit laminates and for printing circuits on Kapton film. Upon cure, this coating exhibits excellent adhesive properties, a high degree of flexibility, thermal stability, high conductivity and superior peel strength. CHO-FLEX 601 coating can be applied by spraying or silk-screening methods, and can withstand wave solder temperatures above 500°F without losing any of its exceptional properties.



### Features & Benefits:

- One part silver-filled polyurethane coating.
- Spray or screen application.
- High degree of flexibility.
- Withstands wave solder temperatures in excess of 500°F (262°C).
- Exceptional pot life at room temperature. Cures only when heated, i.e. >250°F (122°C)
- Cured resistivity of 100 milliohms or better after wave solder process.

### Typical Applications:

CHO-FLEX 601 coating may be silk-screened as is. If thinning is desired, the coating may be thinned with DBE (Dibasic Ester). For spray application, thin CHO-FLEX coating with a solvent blend of MEK/Butanol/Isopropyl alcohol at a ratio of 15/10/6 by volume. Thin two parts of coating with one part of thinner and mix completely (preferably in paint shaker)

\* Kapton is a registered trademark of E. I. du Pont de Nemours.

Table 1 Typical Properties

CHO-FLEX 601	
Typical Properties**	Typical Values
Binder	Polyurethane
Filler	Silver
Color	Silver
Solids by weight	58%
Specific Gravity	1.67
Surface Resistivity - .001" film	0.05 ohm / square
Volume Resistivity - .001" film	0.00015 ohm-cm
Specific Gravity	1.67
Adhesion per ASTM D3359-78	5B
Shelf Life at 21°C (70°F)	6 months
Suggested Cure Cycle:	
Initial Cure	162 °C (325 °F)/4-5 minutes (dry to touch)
Press Cure	184 °C (360 °F)/90 minutes @400PSI (28.2 kg/cm <sup>2</sup> )
Wave Solder	262 °C (500 °F)/3-4 seconds

\*\* Data based on silk screen application with 235 mesh open screen. Coating applied to pumiced Kapton. Application at 0.8 to 1.2 mils.

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