

# **Preliminary Data Sheet**



**Product Type:** Polymer Thick Film

**Product Name: LTC3602** 

# Thin Print High Conductivity Silver Conductor

# Description

LTC3602 is a general purpose high conductivity silver ink for screen printing onto membrane switches.

# **Key Benefits**

- High conductivity
- Compatible with general purpose carbon ink (CL20-10689)
- Compatible with UV dielectric (UVD5801)
- Compatible with UV curable spacer ink (CL99-10691)
- Smooth cured film surface
- Compatible with treated and untreated polyester films

# Typical Properties

### Resistivity

 $<15~\text{m}\Omega/\Box/\text{mil}$  when cured at  $110~^\circ\text{C}$  for 10~minutes

#### Adhesion

Cross Hatch Tape Test Method PET  $\geq$  4B cross hatch

#### Solvent Resistance

Alcohol / IPA wipe - Good

# Viscosity

8 – 20 Kcps, Brookfield HBT SC4-14 spindle and 6R utility cup at 10 rpm, 25 °C

# Recommended Processing Guidelines

#### Printing

150 - 325 mesh stainless steel or polyester screen 0.3 - 0.5 mil emulsion thickness

#### Cleaning

Clean tools and screen resin with Acetone or similar solvent

### Curing

110 °C for 10 minutes 120 °C for 5 minutes

# **Cured Thickness**

 $6-8~\mu m$ 

### **Recommended Substrates**

Treated and untreated polyester

## Thinner

LC-3568

## Warranty

Material guaranteed to meet specifications for 4 months from date of shipment in unopened container.

## **Handling and Precautions**

Use in a well-ventilated area. Avoid contact with skin. Wash with soap and water.

### Storage

Refrigerate at 5 - 10  $^{\circ}\text{C}$  to ensure proper performance of shelf life.

Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

# Heraeus Electronics

Heraeus Deutschland GmbH & Co. KG Heraeusstraße 12 – 14 63450 Hanau, Germany www.heraeus-electronics.com

#### Americas

Phone +1 610 825 6050 electronics.americas@heraeus.com

### Asia Pacific

Phone +65 6571 7677 electronics.apac@heraeus.com

#### China

Phone +86 21 3357 5457 electronics.china@heraeus.com

### Europe, Middle East and Africa

Phone +49 6181 35 3069, +49 6181 35 3627 electronics.emea@heraeus.com

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