

## C5730

### Conductor

#### Description

C5730 is a gold conductor paste that has been formulated for use with Al or Au wire bond applications on Al<sub>2</sub>O<sub>3</sub> and AlN.

#### Key Features

- Excellent Al and Au bondability High conductivity Good adhesion on Al<sub>2</sub>O<sub>3</sub> and AlN



*This picture does not show the packaging of C5730 and is solely intended for illustration purposes. The products are available in different packaging configurations and may change over time. Please refer to the latest safety data sheets for safety-relevant pictograms.*

#### Typical Properties

Conductivity	≤ 5.5 milliohms/square at 12 μm fired film thickness using 25 mil wide serpentine conductor pattern
Viscosity	280 – 380 Kcps Brookfield HBT SC4 – 14 spindle, 6R cup at 10 rpm, 25 °C
Solids	85.5 ± 1.5 %
Coverage	72.0 – 75.0 cm <sup>2</sup> /g at 22 – 25 μm wet film thickness
Metal	Au

#### Recommended Processing Guide

Printing Parameters	280 – 325 mesh stainless steel screen 0.3 – 0.5 mil emulsion
Drying Temperature	150 °C for 10 minutes Make sure ventilation is sufficient to prevent the wet film from skinning
Process Temperature (TDS)	850 °C peak temperature, 10 minutes at peak Total cycle time 45 – 60 minutes
Film Thickness	8 – 10 μm
Recommended Thinner	RV-507

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#### Warranty

6 months

#### Storage

Store in a dry location at 5°C-25°C

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