C5735

Conductor

Description

C5735 is a gold conductor paste that has been formulated for use with Au wire bonding applications. C5735 is a screen printable paste that gives an extremely dense and defect-free fired film. Fine lines are able to be printed down to 75 µm lines and spaceswith etching possible for ultra-fine features down to 25 µm.

Key Features

- Excellent Au bondability High conductivity Fine line printing Etchable (Chemical and laser)

This picture does not show the packaging of C5735 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	≤ 4.5 milliohms/square at 10 um fired film thickness using 25 mil wide serpentine conductor pattern
Viscosity	300 – 530 Kcps, Anton Paar Physica MCR101, CP25-1, 4sec-1, 25 °C
Solids	84.5 ± 1 %
Alloy Ratio	100
Coverage	118 cm2/g @ 10 µm fired film thicknes
Metal	Au

Recommended Processing Guide	
Printing Parameters	325 – 400 mesh stainless steel screen 0.3 – 0.5 mil emulsion 1.1 mil wire
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 peakTotal cycle time of 45 – 60 minutes
Film Thickness	Wet: 22 – 28 µm Dry: 11 – 15 µm Fired: 6 – 10 µm
Recommended Thinner	RV-507
Paste Compatibility	IP9217, IP9227 multilayer dielectrics

C5735

Conductor

Warranty

6 months

Storage

Refrigerate at 1 – 5°C to ensure shelf life. Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

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

Asia Pacific
Phone +65 6571 7649
electronics.apac@heraeus.com

China
Phone +86 53 5815 9601
electronics.china@heraeus.com

Europe, Middle East and Africa
Phone +49 6181 35 4370
electronics.emea@heraeus.com

All changes are based on information displayed using the template data_sheet/HET/TFM/print_data_sheet.html.twig.
Version (last updated) 26 Feb 2026