

Technical Data Sheet

THICK FILM MATERIALS

Product Type: End Terminations

Product Name: ET1890A



Lead Free Plateable Silver End Termination

Description

ET1890A is a Pb and Cd free nickel plateable silver end termination designed to be compatible on Multilayer ceramic chip capacitors (NPO and X7R bodies). Nickel plating can be done without pre-plate processing due to the low glass content on the fired surface.

The rheology of ET1890A is suitable for machine dipping.

Key Benefits

- Free of lead and cadmium
- Nickel plateable-no pre-plate processing
- Low usage-excellent coverage uniformly
- Dense fired microstructure

Typical Properties

Metal type

Silver

Viscosity

40 – 50 Kcps, Brookfield RVT
SC4 – 14 spindle and 6R utility cup at 10 rpm, 25 °C

Solids

76.5 ± 1.5 %

FOG

≤ 10 µm (4th scratch)

Recommended Processing Guidelines

Drying

150 – 180 °C for 8 minutes
Peak temperature of 175 °C for 2 minutes
20 minutes total cycle time

Firing Profile

Peak temp: 650 – 800 °C
Dwell time at temp, 5 – 7 minutes

Thinner

RV-372

Warranty

Material guaranteed to meet specifications for 6 months from date of shipment.

Storage

Store in a dry location at 5 – 25 °C.

DO NOT REFRIGERATE.

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

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

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

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

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