

Technical Data Sheet

THICK FILM MATERIALS

Product Type: End Terminations

Product Name: ET1860



Lead Free Plateable Silver End Termination

Description

ET1860 is a pure silver, Pb and Cd free, plateable end termination. The glass system allows for Cu plating. ET1860 is designed to be compatible on multi-layer varistors and 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 ET1860 is suitable for machine dipping.

Key Benefits

- Cu plateability
- Nickel plateable no pre-plate processing
- Low usage excellent coverage uniformity
- Dense fired microstructure
- Pb and Cd free

Typical Properties

Metal Type

Silver

Viscosity

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

Solids

75 % – 78 %

FOG

≤ 10 µm (at 4th scratch)

Recommended Processing Guidelines

Drying

150 °C for 10 minutes
20 minute total cycle time

Firing

650 – 800 °C peak temperature
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 20 – 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.

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