

Technical Data Sheet

THICK FILM MATERIALS

Product Type: End Terminations

Product Name: ET1847



Lead Free Solderable Silver End Termination

Description

ET1847 is a Pb and Cd free silver end termination designed for axial and radial lead attachment to MLCC (multilayer ceramic chip capacitors). ET1847 offers excellent solderability and adhesion. ET1847 is supplied at a rheology suitable for machine dip application.

Key Benefits

- Suitable rheology for machine dip application
- Excellent solderability
- REACH¹ and ROHS² compliant

Typical Properties

Metal Type

Silver

Viscosity

15 – 25 Kcps Brookfield RVT
SC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C

Solids

81.5 ± 1.0 %

Solderability

Sn62/Pb36/Ag2 at 245 °C
5 second dip, RMA flux
≥ 95 % coverage

SAC305 at 250 °C,
5 second dip, RMA flux
≥ 95 % coverage

Leach Resistance

SAC305 at 250 °C, RMA flux
10 seconds dip

Recommended Processing Guidelines

Drying

150 °C for 10 minutes

Firing

650 – 800 °C peak temperature
Dwell time of 4 – 6 minutes at peak

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.

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Legend:

1) REACH compliant according to the latest * Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency and its subsequent amendments; the material does not contain any substance listed in Annex XIV.

2) RoHS compliant according to the latest * Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb)

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