

ET2010

End Terminations

Description

ET2010 is a dippable, polymer-based silver conductor formulated as a post termination layer. The flexible termination can be applied over previously terminated multilayer ceramic chip capacitors.

ET2010 can also function in chip resistor and chip fuse applications where cost and reliability are a concern. This termination is Pb and Cd free, Ni/Sn plateable, and provides excellent flexibility for rigorous industry bend test standards.

Key Features

- Ni and Sn plateable
- Solvent resistant
- Room temperature stable
- Low Ag content
- Bend test flexibility $\geq 10\text{mm}$



This picture does not show the packaging of ET2010 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

Metal type	Silver
Adhesion	Excellent adhesion
Solvent resistant	Very good
Viscosity	20 – 30 kcps Brookfield HBT SC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C
Solids	72 ± 2% from 1hr @ 150°C
Application	A blotting step can be used to control the amount of paste deposited on the chip body, if needed.

Recommended Processing Guide

Mixing	Allow paste to come to room temperature prior to opening jar. Spatulate well before using.
Cleaning	Clean uncured resin with Acetone or similar solvent
Drying	140 °C for 20 minutes
Curing	200 °C for 60 minutes
Thinner	RV-372

The descriptions and engineering data shown here have been compiled by Heraeus using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for particular application. The Heraeus logo and Heraeus, figurative mark are trademarks or registered trademarks of Heraeus Holding GmbH or its affiliates. All rights reserved.

ET2010

End Terminations

Warranty

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

Handling and precautions:

- Use in a well-ventilated area
- Avoid contact with skin
- Wash with soap and water

Storage

- 6 months shelf life under controlled environment, 20 – 25 °C
- No refrigeration required.

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

The descriptions and engineering data shown here have been compiled by Heraeus using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for particular application. The Heraeus logo and Heraeus, figurative mark are trademarks or registered trademarks of Heraeus Holding GmbH or its affiliates. All rights reserved.