

## Technical Data Sheet



### THICK FILM MATERIALS

**Product Type:** End Terminations

**Product Name:** ET2002



### Polymer Silver Plateable End Termination

#### Description

ET2002 is a dippable polymer based silver end termination with a reduced silver content for cost sensitive applications. It contains a fast curing polymer system.

ET2002 is a Pb and Cd free Ni/Sn plateable polymer end termination designed to be compatible on multilayer ceramic chip capacitors (NPO and X7R bodies).

#### Key Benefits

- Ni and Sn plateable
- Solvent resistant
- Pb and Cd free

#### Typical Properties

##### Metal Type

Silver

##### Adhesion

Excellent Adhesion

##### Solvent Resistance

Excellent

##### Viscosity

20 – 40 Kcps Brookfield HBT  
SC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C

##### % Solids

60.0 ± 1.0 %

##### Application

A blotting step can be used to control the amount of paste deposited on the chip body, if needed.

#### Recommended Processing Guidelines

##### Mixing

Material should be thoroughly mixed prior to use

##### Cleaning

Clean uncured resin with Acetone or similar solvent

##### Drying

120 °C for 20 minutes

##### Curing

185 °C for 60 minutes

##### Resistance

< 90 mΩ/□ per mil  
200 °C for 30 minutes

##### Thinner:

V-521

##### Warranty:

Material guaranteed to meet specifications for 3 months from date of shipment.

##### Handling and Precautions:

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

##### Storage:

Refrigeration a 5 °C required to maintain shelf life.  
Allow paste to come to room temperature prior to opening.  
Spatulate well before using, as settling may occur during storage.

3 months shelf life at room temperature  
6 months shelf life when stored in refrigeration

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