

## Capacitor Materials

### ET1833B



## Lead Free Plateable Silver End Termination

#### Description:

ET1833B is a Pb and Cd free nickel plateable silver end termination designed to be compatible on a variety of ceramic bodies, including ferrites and multilayer ceramic chip capacitors. Nickel plating can be done without pre-plate processing due to the low glass content on the fired surface.

The rheology of ET1833B is suitable for machine dipping.

#### ● Key Benefits:

- Lead and Cadmium free
- Nickel plateable-no pre-plate processing
- Low usage-excellent coverage uniformity
- Excellent Hermeticity

#### ● Typical Properties:

##### Metal type:

Silver

##### Viscosity:

35-45 Kcps; Brookfield RVT,  
SC4-14 spindle and 6R utility cup  
@ 10 rpm, 25°C.

##### Solids:

76.5 ± 1.5%

##### F.O.G.:

≤10 microns (4<sup>th</sup> scratch)

#### ● Recommended Processing Guidelines:

##### Drying:

>150°C for 8 minutes  
Peak temperature of 175°C for 2 minutes

##### Firing profile:

Peak Temp: 690°C - 800°C  
Ramp rate (ambient-peak temp) : 120°C/min.  
Dwell time at temp 5-7 minutes

##### Thinner:

RV-372 (Terpineol)

##### Warranty:

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

##### Storage :

Store in a dry location at 5°C-25°C.

**DO NOT REFRIGERATE.**

Allow paste to come to room temperature  
prior to opening.

Spatulate well before using.

YY0506.3

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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 a particular application.

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