

## Component Metallizations

### BE735

#### Silver/Palladium Buried Electrode

**Description:**

BE735 is a 70Ag/30Pd buried electrode. It fires to a dense internal layer, without mismatch, to a variety of body types.

BE735 is supplied with a clean burnout organic system, specifically formulated to reduce vertical delaminations.

● **Key Benefits:**

- Compatible with acrylic and PVB based dielectric tapes
- Solid solution (alloy) powder

● **Typical Properties:**

**Metal type:**

Silver/Palladium alloy

**Viscosity:**

20-35 Kcps, Brookfield RVT, SC4-14spindle and 6R utility cup @ 10 rpm, 25°C.

**Solids:**

52.0 ± 2%

**FOG:**

< 5 microns (4<sup>th</sup> scratch)

● **Recommended Processing Guidelines:**

**Printing:**

325 mesh screen  
0.5 mil emulsion  
1.1 mil wire.

**Drying:**

Dry at 120°C for 5 minutes

**Firing:**

1150°C (maximum)

**Laydown:**

15.8 milligrams/in<sup>2</sup> (dry film).

**Thinner:**

RV-150 (Deodorized Kerosene)

**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.

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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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