

## Component Metallizations

### DT1028-DT1309

#### Capacitor Disc Termination

**Description:**

DT1028 and DT1309 are silver disc terminations specifically formulated for titanate bodies. DT1028 is supplied with 38% silver loading and DT1309 has 49% silver. They fire to a dense film for excellent solderability and maximum capacitance. The glass system gives excellent adhesion.

● **Key Benefits:**

- Cost efficient
- High adhesion to titanate ceramics
- Excellent solderability
- Screen printable

● **Typical Properties:**

**Metal type:**

Silver

**Viscosity:**

DT1028:  
45-55 Kcps; Brookfield RVT #7 spindle @ 50 rpm,  
25°C

DT1309:  
50-60 Kcps; Brookfield RVT #7 spindle @ 50 rpm,  
25°C

**Solids:**

DT1028: 50.00± 1.0%  
DT1309: 55.05± 1.0%

**F.O.G:**

Less than 10 microns

● **Recommended Processing Guidelines**

**Drying:**

Dry at 150°C for 10 minutes

**Firing:**

810-850°C peak temperature  
Dwell time of 9-11 minutes

**Thinner:**

RV-252 (Butyl Carbitol Acetate)

**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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