

## **Technical Data Sheet**



# THICK FILM MATERIALS

**Product Type:** Conductors

Product Name: C8708



Pb Free Silver Hole Plug

#### Description

C8708 is a Pb-free screen printable, pure silver paste designed as a hole plug in alumina substrates. The high solids loading allows for excellent filling properties. C8708 has low shrinkage, which allows for a complete fill of the through hole.

#### **Key Benefits**

- High solids loading
- Low shrinkage
- Stencil printing to fill through holes

#### **Typical Properties**

#### Metal Type

Silver

## Viscosity

200 – 300 Kcps, Brookfield HBT SC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C

#### **Solids**

90.0 ± 1.0 %

## Resistivity

 $\leq 8~\text{m}\Omega/\square$  at 25  $\mu\text{m}$  fired film thickness

## **Recommended Processing Guidelines**

Hole sizes from 10 to 12 mil diameter Squeegee durometer – 60 to 70 Squeegee speed - slow to medium Print mode – contact and alternate direction Passes – 3 to 5 alternate print passes

Note: A tissue should be placed between the substrate and the work holder for the purpose of evacuating air and solvent from the hole.

#### **Application Method**

Stencil Printing Process
3 – 5 mil stencil thickness

#### Drying

150 °C for 15 minutes

#### Firing

850 °C peak temperature Dwell time of 8 – 12 minutes at peak

### Thinner:

RV-372

#### Warranty:

**TBD** 

#### Storage:

Store in a dry location at 5 – 25 °C.

#### DO NOT REFRIGERATE.

Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

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