

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

≤ 8 mΩ/□ at 25 μm 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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