

## Technical Data Sheet

### THICK FILM MATERIALS

Product Type: Conductors

Product Name: C2360



#### Pb and Cd Free Silver/Palladium Conductor

##### Description

C2360 is a Pb, Cd and Ni free silver/palladium (6:1) high solids conductor paste designed for hybrid applications utilizing aluminum nitride. It exhibits good solderability and excellent adhesion.

##### Key Benefits

- Excellent solderability
- Excellent adhesion to aluminum nitride

##### Recommended Processing Guidelines

###### Printing

280 mesh stainless steel screen

###### Drying

150 °C peak temperature

Dwell time for 10 to 15 minutes

###### Firing

850 °C peak temperature

Dwell time for 10 minutes

###### Thickness:

Wet: 34 – 38 µm

Dried: 22 – 26 µm

Fired: 13 – 16 µm

###### Thinner:

RV-372

###### Warranty:

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

###### Storage:

Store in a dry location at 20 – 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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#### Typical Properties

##### Resistivity

15 – 20 mΩ/□ at 15 μm fired film thickness

##### Adhesion

80 x 80 mil pad – Maruwa AlN Substrate

Sn62/Pb36/Ag2

Initial: > 4.0 lbs

1000 hours @ 150 °C: > 3.0 lbs

SAC305

Initial: > 4.0 lbs

1000 hours @ 150 °C: > 3.0 lbs

##### Solderability

Sn62/Pb36/Ag2 at 230 °C, RMA flux

> 95 % coverage for 5 second dip

SAC305 at 250 °C, RMA flux

100 % coverage for 5 second dip

##### Viscosity

150 – 220 Pa-s, Brookfield HBT, DVIII

SC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C

##### Solids

82.0 – 84.0 %

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