

## C1076SD

### Conductor

#### Description

C1076SD (LPA609-022) is a low-cost Ag/Pt conductormaterial that utilizes an oxide bond system for providing particularly excellent adhesion to alumina and beryllium oxide substrates. The material can easily be used to print fine line patterns or large-area ground planes and features all the advantages of a fritless system. Resulting film is dense and uniform.

#### Key Features

- Excellent solderability and leach resistance
- Solderable on alumina Compatible with HERAEUS resistors
- Excellent initial and aged adhesion
- Inner layer for multilayer applications
- Very good conductivity
- Aluminum and gold wire bondable



*This picture does not show the packaging of C1076SD and is solely intended for illustration purposes. The products are available in different packaging configurations and may change over time. Please refer to the latest safety data sheets for safety-relevant pictograms.*

#### Typical Properties

Viscosity	30-50 Pas (25 °C, D = 100/s)
Solids	82.0 % ± 1.5 %
Alloy Ratio	99:01:00
Coverage	80 cm <sup>2</sup> /g (FFT: 12 um)
Metal	AgPt
Color	Silver

#### Recommended Processing Guide

Printing Parameters	Print through a 200-325 mesh stainless steel screen. Total thickness: 50-110 um.
Printing Speed	Up to 20 cm/s
Drying Temperature	Dry at 150 °C for 10-20 minutes
Process Temperature (TDS)	Fire at 850 °C (peak) for 10 minutes, and with a total firing cycle time of c. 30-60 minutes.
Film Thickness	12.5-15.5 um
Recommended Thinner	HVS 100, RV 372
Paste Compatibility	Dielectrics: IP9117, IP9117E; Resistors: R8900 (WP09-XY) Series, R400L Series

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#### Warranty

6 months

#### Storage

Store in a dry and cool condition at 2-23 °C in a dark place with container tightly shut, When stored in a refrigerator, the paste should have acquired room temperature before being opened,

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