

## C2028

### Conductor

#### Description

C2028 is a screen printable 2.8:1 Silver/Palladium paste and general-purpose fritted conductor material, suitable for a wide variety of applications, where excellent performance is called for. It is also ideal for use as a resistor termination.

#### Key Features

- Excellent solderability and leach resistance
- Solderable on alumina and HERAEUS dielectrics
- Compatible with HERAEUS resistors and dielectrics
- Excellent initial and aged adhesion, even after multiple firings on alumina and when fired on dielectrics



*This picture does not show the packaging of C2028 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	78.0% ± 1.5 %
Alloy Ratio	2.8:1
Coverage	80 cm <sup>2</sup> /g (FFT: 12 µm)
Metal	AgPd
Color	Dark Grey

#### Recommended Processing Guide

Printing Parameters	Print through a 200-325 mesh stainless steel screen.
Printing Speed	Up to at least 20 cm/s
Drying Temperature	Dry at 125-150 °C for 10-15 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	12.0-15.5 µm
Recommended Thinner	HVS 100
Paste Compatibility	Dielectrics: IP9117 Series, Resistors: R8900 Series, R8900D Series

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#### Warranty

12 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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