

### C8717E

#### Conductor

##### Description

C8717E is a pure Ag conductor that yields a smooth, dense film on alumina. The material was designed for thick print applications and a fired film thickness can be achieved up to 200 µm. C8717E is recommended for power hybrid applications where high current is a requirement. C8717E is an excellent choice for high conductivity applications that require very thick conductor tracks.

##### Key Features

- Excellent fired film density Low resistivity, excellent solderability Al thick wire bondable High adhesion on alumina



*This picture does not show the packaging of C8717E 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

Conductivity	≤ 1.2 milliohms/square (at FFT: 40 µm)
Viscosity	45 – 70 Pas (25 °C, D = 75/s)
Solids	91.0 % ± 1.5 % <sub>x000D</sub>
Alloy Ratio	100
Coverage	Approx. 20 cm <sup>2</sup> /g (FFT: 40 µm)
Metal	Ag

##### Recommended Processing Guide

Printing Parameters	80 - 105 mesh stainless steel screen
Drying Temperature	Level at room temperature for 5 - 10 minutes. Dry at 150 °C for 10 - 20 minutes
Process Temperature (TDS)	Fire at 850 °C (peak) for 10 – 12 minutes, and with a total firing cycle time of c. 30 – 60 minutes
Film Thickness	35 – 45 µm
Recommended Thinner	HVS-507
Paste Compatibility	Applicable on fired C 1076 SD and C 1076 SD (LPA 609-022)

### C8717E

#### Conductor

---

#### Warranty

6 months

#### Storage

Store in a dry, cool (5 to 25 °C) and dark place and with container tightly shut

#### Americas

Phone +1 610 825 6050

[electronics.americas@heraeus.com](mailto:electronics.americas@heraeus.com)

#### Asia Pacific

Phone +65 6571 7649

[electronics.apac@heraeus.com](mailto:electronics.apac@heraeus.com)

#### China

Phone +86 53 5815 9601

[electronics.china@heraeus.com](mailto:electronics.china@heraeus.com)

#### Europe, Middle East and Africa

Phone +49 6181 35 4370

[electronics.emea@heraeus.com](mailto:electronics.emea@heraeus.com)

The descriptions and engineering data shown here have been compiled by Heraeus using commonly accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for particular application. The Heraeus logo and Heraeus, figurative mark are trademarks or registered trademarks of Heraeus Holding GmbH or its affiliates. All rights reserved.

All changes are based on information displayed using the template `data_sheet/HET/TFM/print_data_sheet.html.twig`.  
Version (last updated) 04 May 2026