

R8900A

Resistor

Description

The Heraeus resistor R 8900 Series materials are REACH compliant and part of complete thick film materials system. Materials in this system are designed for production of high reliability, commercial and industrial hybrid microcircuit and resistor networks.

Key Features

- Excellent noise and STOL values Compatible with C2000 Series (Ni and Cd\_x0002\_free) R8900 Series offers a range of 10 Ω/£ – 1M Ω/£

Typical Properties

|                  |                                          |
|------------------|------------------------------------------|
| Viscosity        | 20 – 50 Pa·s<br>(25°C, D = 100/s)        |
| Blendable        | Yes                                      |
| Coverage         | 80 – 110 cm2<br>/g                       |
| Resistance Range |                                          |
| Blendable Series | Yes                                      |
| Overglaze        | IP 9025 ST (500 °C)IP<br>9025 H (600 °C) |
| Laser Trim       | Yes                                      |

Recommended Processing Guide

|                     |                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------|
| Printing Parameters | Print through a 200 mesh stainless steel screen, 30 – 40 µm emul-sion. Total screen thickness: 90 – 110 µm. |
| Printing Speed      |                                                                                                             |
| Leveling            |                                                                                                             |
| Drying Temperature  | Dry at 150 °C for 10 minutes.                                                                               |

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Recommended Processing Guide (continued)

|                           |                                          |
|---------------------------|------------------------------------------|
| Process Temperature (TDS) |                                          |
| Film Thickness            | Dried filmthickness should be 24 ± 5 µm. |
| Recommended Thinner       | Heraeus HVS 100                          |

Notes

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## R8900A

### Resistor

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#### Warranty

Material guaranteed to meet specifications for 12 months from date of manufacturing with proper storage.

#### Storage

Store in a dry, cool (5 - 25°C), dark place with container tightly shut. Allow paste to come to room temperature prior to opening. Spatulate well before using.

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