

416 EAST CHURCH ROAD KING OF PRUSSIA, PA 19406-2625, U.S.A

1 1 1

T: 610-272-8000

F: 610-272-6759

www.electroscience.com

CERMET SILVER CONDUCTOR

903-B

Lead-Free Conductor for Use with Ceramic Tape

ESL 903-B is a silver conductor designed for use as an inner-layer or ground-plane metallization with co-fired ceramic tape.

PASTE DATA

RHEOLOGY: Thixotropic, screen printable paste

VISCOSITY:

(Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C)

BONDING MECHANISM:

Fritless

SHELF LIFE: (at 25°C)

6 months

PROCESSING

SCREEN MESH/EMULSION:

LEVELING TIME: (25°C)

5-10 minutes

DRYING: (at 80°C)

10-15 minutes

850°C

SUBSTRATE OF CALIBRATION:

ESL 41010

THINNER:

TYPICAL PROPERTIES

FIRED THICKNESS: 9-17 µm

RESISTIVITY:

(when normalized @ 20 μ m & co-fired with ESL 41010 tape) \leq 2 m Ω /sq.

ESL Europe (KOP) 903-B 0403-New



CAUTION: Proper industrial safety precautions should be exercised in using these products. Use with adequate ventilation. Avoid prolonged contact with skin or inhalation of any vapours emitted during use or heating of these compositions. The use of safety eye goggles, gloves or hand protection creams is recommended. Wash hands or skin thoroughly with soap and water after using these products. Do not eat or smoke in areas where these materials are used. Refer to appropriate MSDS sheet.

ESL Europe (KOP) 903-B 0403-New

DISCLAIMER: The product information and recommendations contained herein are based on data obtained by tests we believe to be accurate, but the accuracy and completeness thereof is not guaranteed. No warranty is expressed or implied regarding the accuracy of these data, the results obtained from the use hereof, or that any such use will not infringe any patent. ElectroScience assumes no liability for any injury, loss, or damage, direct or consequential, arising out of its use by others. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular use, before using it. User assumes all risk and liability whatsoever in connection with his intended use. ElectroScience's only obligation shall be to replace such quantity of the product proved defective.