CERMET SILVER CONDUCTOR

903-A

Lead-Free Conductor for Use with Ceramic Tape

ESL 903-A is a silver conductor designed for use as top-layer or inner-layer metallization for use 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) 200±50 Pa·s

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

FIRING:

850°C

SUBSTRATE OF CALIBRATION:

ESL 41010

THINNER:

TYPICAL PROPERTIES

FIRED THICKNESS: 15-25 μm

RESISTIVITY:

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

903-A 0403 New

BLANK

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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 vapors 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.

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