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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:	325/25 μm
LEVELING TIME: (25°C)	5-10 minutes
DRYING: (at 80°C)	10-15 minutes
FIRING:	850°C
SUBSTRATE OF CALIBRATION:	ESL 41010
THINNER:	ESL 401

TYPICAL PROPERTIES

FIRED THICKNESS:	15-25 μm
RESISTIVITY:	
(when normalized @ 20 μ m & co-fired with ESL 41010 tape)	≤ 2 mΩ/sq.

ESL Europe (KOP) 903-A 0403-New

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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 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.

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