ESL ELECTROSCIENCE
CERAMIC TAPES & THICK-FILM MATERIALS
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CERMET SILVER CONDUCTOR 9912-MM Print

Lead and Cadmium-free*

ESL 9912-MM Print is a silver conductor for screen-printing on to piezo-electronics.

PASTE DATA

Rheology:		Thixotropic, screen-printable paste
Viscosity: (Brookfield RVT, 10rpm, ABZ Spindle, 25.5 ± 0.5 °C)		150 ± 25 Pa.s
Shelf Life (20 - 25 °C):		6 months

PROCESSING

Screen Mesh, Emulsion:		325 S/S, 25 µm
Levelling Time (at 20 °C):		5 - 10 min
Drying Time (at 125 °C):		10 - 15 min
Firing Temperature:	Range:	650 - 900 °C in air
	Optimum:	700 °C in air
	Time at peak:	10 min
Total Firing Cycle:		1 hour
Thinner:		ESL 401

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TYPICAL PROPERTIES

Resistivity:
(measured on a 100 mm x 0.25 mm conductor track) < 2.0 mΩ/□

***None of the six substances referred to in the RoHS Directive (2002/95/EC) are used in the formulation of this product.**

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.