



ESL ELECTROSCIENCE

CERAMIC TAPES &
THICK-FILM MATERIALS

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CERMET SILVER CONDUCTOR

9912-LMB

RoHS Compliant*

ESL 9912-LMB is a silver conductor for screen-printing on to ceramics and silicon.

PASTE DATA

Rheology:

Thixotropic, screen-printable paste

Viscosity:

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

125 ± 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

ESL Europe 9912-LMB 0805-A

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See Caution and Disclaimer on other side.

TYPICAL PROPERTIES

Resistivity:

(measured on a 100 mm x 0.25 mm conductor track)

< 3.0 mΩ/□

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*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.

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