CERMET GOLD CONDUCTOR 8813-G

RoHS Compliant*
For Use With Aluminum Nitride Substrates

ESL 8813-G is a newly developed gold conductor especially formulated for AlN. It can be used for 25 and 50 micrometer gold wire bonding. ESL 8813-G is designed to not dry on the screen and can be printed with 125 micrometer lines and spaces.

PASTE DATA

RHEOLOGY: Thixotropic, screen printable paste

VISCOSITY:
(Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C) 285±50 Pa-s

BONDING MECHANISM: Mixed

SHELF LIFE: (at 25°C) 6 months

PROCESSING

SCREEN MESH/EMULSION: 325/25 μm

LEVELING TIME: (25°C) 5-10 minutes

DRYING AT 125°C: 10-15 minutes

FIRING TEMPERATURE: 850°C

TIME AT PEAK: 10-12 minutes

FIRING CYCLE: 50 minutes

SUBSTRATE OF CALIBRATION: aluminum nitride

THINNER: ESL 401
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 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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