



## ESL ELECTROSCIENCE

CERAMIC TAPES &  
THICK-FILM MATERIALS

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### CERMET PLATINUM GOLD CONDUCTOR

### 5837-THP

A platinum gold conductor specially formulated for through-hole printing applications and other applications requiring low viscosity.

#### PASTE DATA

<b>RHEOLOGY:</b>	Thixotropic, screen printable paste
<b>METALLIC PHASE:</b>	platinum gold
<b>VISCOSITY:</b> (Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C)	70-100 Pa·s
<b>BONDING MECHANISM:</b>	Mixed
<b>SHELF LIFE:</b>	6 months

#### PROCESSING

<b>SCREEN/EMULSION:</b>	200-325/25 µm
<b>LEVELING TIME:</b> (at 25°C)	5-10 minutes
<b>DRYING AT 125°C:</b>	10-15 minutes
<b>FIRING:</b>	800°C-1000°C
<b>OPTIMUM:</b>	850°C
<b>TIME AT PEAK:</b>	10-12 minutes
<b>SUBSTRATE:</b>	96% alumina
<b>THINNER:</b>	ESL 413

ESL Europe (KOP) 5837-THP 9809-D

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See Caution and Disclaimer on other side.

## TYPICAL PROPERTIES

<b>RESISTIVITY:</b> (Normalized 12.0 $\mu\text{m}$ )	$\leq 125 \text{ m}\Omega/\text{sq}$
<b>ADHESION:</b> (90° pull, 2.0 x 2.0 mm pads, 62 Sn/36 Pb/2 Ag, 220°C $\pm$ 5°C)	$\geq 5.6 \text{ kg}$
<b>COMPATIBILITY:</b>	4608 & 4905-C

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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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