CL11-6109 is a fritted platinum paste, which fires to a pure metal surface. CL11-6109 uses an acid resistant frit that makes this material ideal for use in hostile environments.

**Key Benefits**

- Chemically resistant
- Acid resistant
- Can be used on alumina, zirconia or titania bodies
- REACH compliant

**Typical Properties**

**Resistivity**

50 mΩ/□ at 10 µm fired film thickness

**HTCR/ CTCR (ppm/°C)**

< 3400/ < 3500

**Adhesion**

80 x 80 mil pad on alumina at 950 °C

Sn62/Pb36/Ag2 at 235 °C, RMA flux

Initial: > 3.0 lbs

100 hours @ 150 °C: > 3.5 lbs

Sn10/Pb88/Ag2 at 365 °C, RMA flux

Initial: > 4.5 lbs

100 hours @ 150 °C: > 4.5 lbs

**Solderability**

Sn62/Pb36/Ag2 at 235 °C and Sn10/Pb88/Ag2 at 365 °C,

5 second dip, RMA flux, 80 x 80 mil pad

> 90 %

**Solder Leaching**

Sn62/Pb36/Ag2 at 235 °C and Sn10/Pb88/Ag2 at 365 °C,

RMA flux, 80 x 80 mil pad

< 10 % loss after 6 x 10 second dips

**Viscosity**

10 – 19 Kcps, Cone and Plate, CP25-1 Spindle,

20 sec⁻¹, 25 °C

**Solids**

75.6 ± 1.0 %
Technical Data Sheet

Platinum Conductor

Legend:

1) REACH compliant according to the latest *Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency and its subsequent amendments; the material does not contain any substance listed in Annex XIV.