

TC7306A

LTCC

Description

TC7306A is a pure silver paste developed for plateable top conductor applications. It provides excellent compatibility with various kinds of Heraeus tape systems during the co-firing process.

Key Features

- It is optimized for screen printing of conductor tracks. It may readily used to print fine line patterns not only as top conductors but also as inner electrodes applying lower fired film thickness Excellent fine line definition Suitable for electro-less plating after firing

Typical Properties

Viscosity	30 – 50 Pa·s (25°C, D = 75/s)
Conductivity	≤ 4 milliohms/square (FFT: 12 μm)
Resistivity	≤ 4 mΩ/□ (FFT: 12 μm)

Recommended Processing Guide

Process Temperature (TDS)	Fire at 850 – 865 °C (peak) for up to 30 minutes, and with a total firing cycle time up to 12 hours (most often practicable in a box oven)
Film Thickness	13 – 18 μm (top conductor)

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Warranty

Material guaranteed to meet specifications for 6 months from date of manufacturing with proper storage.

Storage

Store in a dry, cool (5 - 25°C), dark place with container tightly shut. Allow paste to come to room temperature prior to opening. Spatulate well before using.

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