

TC2306

LTCC

Description

TC2306 is a pure Ag conductor with low resistivity and superior fine line print resolution. TC2306 provides excellent compatibility with low temperature co-fired ceramic (LTCC) during the co-firing process. TC2306 is optimized for screen printing as a routing conductor. The material may readily be used to print fine line patterns.

Key Features

- Low resistivity provides low line loss at microwave frequencies
- Compatible with LTCC
- Prints fine line patterns

Typical Properties

Conductivity	≤2.5 milliohms/square at 12.5-17 um dried film thickness
Viscosity	125 – 185 Kcps Brookfield HBTSC4 – 14 spindle, 6R utility cup at 20 rpm, 25 °C reading taken at 5 minutes of measurement
Metal	Ag

Recommended Processing Guide

Process Temperature (TDS)	870 – 880 °C peak temperature Ramp from burnout to firing peak: 5 °C/minute Dwell time at peak: up to 30 minutes Total cycle time up to 12 hours (Most easily achieved in a box oven).
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Version (last updated) 26 Feb 2026