

TC2304HQ

LTCC

Description

TC2304HQ is a pure Ag conductor with low resistivity and superior fine line print resolution. TC2304HQ provides excellent compatibility with low temperature co-fired ceramic (LTCC) tape during the co-firing process. TC2304HQ 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 Minimal posting Prints fine line patterns – 75 µm

Typical Properties

Conductivity	≤ 2 milliohms/square at 15 µm confined in LTCC
Viscosity	400 – 600 Kcps Brookfield HBT SC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C
Metal	Ag

Recommended Processing Guide

Process Temperature (TDS)	870-880 °C peak temperature. Dwell time of 30 minutes at peak. Total cycle time of up to 12 hours (Most easily achieved in a box oven).
Film Thickness	11 – 19 µm

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