

TC8101

LTCC

Description

TC8101 is a pure Au conductor, which provides excellent compatibility with Heratape® Clad CT800 and HL2000 during the co-firing process. TC8101 is optimized for screen printing conductor tracks such as fine line patterns as a surface conductor or an internal conductor. It can be bonded with Al and Au wire.

Key Features

- Au and Al wire bondable Compatible with Heratape® CT800 and HL2000 Prints fine lines Prints full ground planes

Typical Properties

Conductivity	≤ 10 milliohms/square at 12 um fired film thickness
Viscosity	380 – 480 Kcps Brookfield HBT#14 spindle at 10 rpm, 25 °C
Metal	Au

Recommended Processing Guide

Process Temperature (TDS)	Recommended profile in a box oven, with a peak temperature of 850 –865 °C (30 minute dwell) Total firing cycle time of up to 10 hours
Film Thickness	8 – 12 µm (when printed with a 325 mesh screen)

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