

C4499

Conductor

Description

C4499 is a screen printable silver via fill conductor designed for use in multilayer hybrids. It is designed to be used with either IP9117 or IP9118 dielectrics. It gives excellent surface coplanarity along with good electrical conductivity.

Key Features

- Outstanding adhesion to dielectric Excellent surface coplanarity Good electrical conductivity Easy to process Ideal interface for Ag bearing conductors



This picture does not show the packaging of C4499 and is solely intended for illustration purposes. The products are available in different packaging configurations and may change over time. Please refer to the latest safety data sheets for safety-relevant pictograms.

Typical Properties

Conductivity	≤ 5.0 milliohms/square at 21 um fired film thickness
Viscosity	140 – 200 Kcps Brookfield HBTSC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C
Solids	85.25 ± 1%
Alloy Ratio	100
Coverage	89 cm ² /g at a 20 micron fired film thickness
Metal	Ag
Color	Silver

Recommended Processing Guide

Process Temperature (TDS)	850 °C peak temperature Dwell time at peak temperature for 8 – 12 minutes
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Warranty

6 months

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