

C4729

Conductor

Description

C4729 is a Ag/Pt conductor, designed for automotive application. C4729 is a new member of Heraeus' line of conductors with excellent fired film density, high conductivity, good solder leach resistance, excellent aged adhesion and aluminium wire bondable.

Key Features

- Excellent aged adhesion Dense fired film Good Al wire bond adhesion (initial and aged)



This picture does not show the packaging of C4729 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 milliohms/square at 12 um fired film thickness
Viscosity	120 – 180 Kcps Brookfield HBTSC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C
Alloy Ratio	99 : 1
Metal	AgPt

Recommended Processing Guide

Printing Parameters	230 – 325 mesh stainless steel screen 0.5 mil emulsion
Drying Temperature	en 0.5 mil emulsion Drying 1
Process Temperature (TDS)	850 °C peak temperature Dwell time for 10 – 12 minutes, Total cycle time 36 – 60 minutes
Film Thickness	Wet: 34 – 42 µm Dried: 23 – 27 µm Fired: 10 – 14 µm
Recommended Thinner	RV-372

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