

C4727 (H)

Conductor

Description

C4727 (H) is a 99:1 Silver/Platinum conductor, designed for low-cost applications. C4727 (H) is a fritless bonding system with excellent fired film density, high conductivity, good solder leach resistance, excellent solder acceptance and is aluminum wire bondable.

Key Features

- Excellent solderability and leach resistance
- Solderable on alumina and HERAEUS dielectrics
- Compatible with HERAEUS resistors
- Good initial and aged adhesion, even after multiple firings
- Very good conductivity
- Excellent fired film density



This picture does not show the packaging of C4727(H) 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

Viscosity	20 – 40 Pa·s, (25°C, D = 100/s)
Conductivity	≤ 3.5 milliohms/square (FFT: 12 µm)
Alloy Ratio	99 : 1
Resistivity	≤ 3.5 mΩ/□ (FFT: 12 µm)

Recommended Processing Guide

Process Temperature (TDS)	Fire at 850 °C (peak) for 10 minutes, and with a total firing cycle time of c. 30 – 60 minutes
Film Thickness	10.0 – 15.5 µm

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Key Features

- Aluminum and gold wire bondable

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Version (last updated) 21 Aug 2026

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Warranty

Material guaranteed to meet specifications for 6 months from date of manufacturing with proper storage.

Storage

Store in a dry and cool condition at 5 – 25°C in a dark place with container tightly shut. When stored in a refrigerator, the paste should reach room temperature before being opened.