

LPA92-59

Conductor

Description

LPA92-59 is a screen printable gold conductor paste, designed to metallize punched or laser drilled through-holes in alumina substrates.

Key Features

- LPA92-59 contains a glass-filler, for good adhesion on to the inside wall of holes (through-holes) The viscosity has also been adjusted, for good vacuum through-hole printing It also works well as via-fills in multilayer dielectric, for interconnecting conductor layers



This picture does not show the packaging of LPA92-59 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 | ≤ 40 milliohms/square (FFT: 12 um) |
| Viscosity | 30 – 50 Pas (25 °C, D = 75/s) |
| Alloy Ratio | 100 |
| Metal | Au |

Recommended Processing Guide

| | |
|---------------------------|--------------------------------------------------------------------------------------------------|
| Printing Parameters | Print through a 200 – 325 mesh stainless steel screen. Level at room temperature for 10 minutes. |
| Printing Speed | Up to at least 10 cm/s |
| Drying Temperature | Dry at 150 °C for 10 – 20 minutes. |
| Process Temperature (TDS) | Fire at 850 °C (peak) for 10 minutes, and with a total firing cycle time of c. 30 – 60 minutes. |
| Paste Compatibility | Dielectrics IP 9117 Series Conductors Au C 5754 B C 5755 A C 5756 C 5789 |

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Warranty

6 months

Storage

"Store in a dry, cool (2 to 23 °C) and dark place with container tightly shut"

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