C4740S

Conductor

Description

C4740S is a general-purpose Ag/Pt conductor for use on alumina and BeO substrates. C4740S is suitable as a termination for all Heraeus air fireable resistor systems and also performs well as an inner layer conductor in mutilayer applications. C4740S can be printed at speeds up to 12 inches per second and is capable of resolving fine lines as narrow as 5 mils.

Key Features

- Outstanding adhesion to alumina and beryllium oxide substrates Excellent performance at high print speeds Excellent solderability

This picture does not show the packaging of C4740S 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	≤ 2.9 milliohms/square at 14 um fired film thickness
Viscosity	90 – 140 Kcps Brookfield HBTSC4 – 14 spindle, 6R utility cup at10 rpm, 25 °C
Solids	84.0 ±2 %
Coverage	106 cm2 /g at 14 microns fired film thickness
Metal	AgPt

Recommended Processing Guide	
Printing Parameters	280 stainless steel mesh screen 0.5 mil emulsion.
Drying Temperature	Allow parts to level at room temperature for 5 minutes 150°C for 10 minutes
Process Temperature (TDS)	850 °C peak temperatureDwell time of 10 minutes
Film Thickness	11– 15 µm
Recommended Thinner	RV-372

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Warranty

6 months

Storage

Store in a dry location at 5°C-25°C

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All changes are based on information displayed using the template data_sheet/HET/TFM/print_data_sheet.html.twig.
Version (last updated) 04 May 2026