

3615

Conductor

Description

3615 is a mixed bond platinum gold conductor designed for military, aerospace or other high reliability applications that require soldered connections. 3615 fired film exhibits high initial and aged adhesion, and can be soldered using either non-activated or mildly activated fluxes.

Key Features

- High initial and aged adhesion Excellent solderability Good line resolution



Typical Properties

Viscosity	190 – 240 kcps, Brookfield HBT, SC4-14 spindle & 6R utility cup @ 10 rpm, 25°C
Resistivity	≤ 80 milliohms per square at 25 microns fired film thickness
Solderability	63Sn/37Pb at 240°C 0.08 in x 0.08 in pad 5 second dip 100% coverage

Recommended Processing Guide

Printing Parameters	200-325 stainless steel mesh screen 0.5 mil emulsion
Printing Speed	Up to 15 cm/sec. (6 in/sec)
Drying Temperature	150°C for 10 to 15 minutes.
Process Temperature (TDS)	850°C to 925°C peak firing temperature Dwell times of 5-10 minutes at peak
Film Thickness	Fired: 11-17 microns

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Recommended Processing Guide (continued)

Line Definition	> 150 microns (6 mils)
Recommended Thinner	Heraeus RV-507
Paste Compatibility	3610 or 3612 gold conductors 7600A multilayer dielectric

Americas

Phone +1 610 825 6050

electronics.americas@heraeus.com

Asia Pacific

Phone +65 6571 7649

electronics.apac@heraeus.com

China

Phone +86 53 5815 9601

electronics.china@heraeus.com

Europe, Middle East and Africa

Phone +49 6181 35 4370

electronics.emea@heraeus.com

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Warranty

Material guaranteed to meet specifications for 3 months from date of manufacturing with proper storage.

Storage

Store in a dry location at 5 – 25°C. DO NOT REFRIGERATE. Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

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