

C8717B

Conductor

Description

C8717B is a Ag conductor that yields a smooth, dense film on alumina and BeO. This material is recommended for power hybrid applications where high current is a requirement and for large ground plane areas. C8717B provides excellent solderability, void free soldering and good solder leach resistance.

Key Features

- Excellent fired film density Low resistivity High adhesion
Excellent solderability



Typical Properties

Viscosity	140 – 220 kcps, Brookfield HBT, SC4-14 spindle & 6R utility cup @10 rpm, 25°C
Solids	90.0 ± 1.0%
Resistivity	< 2.0 milliohms per square at 25 microns fired film thickness
Solderability	5 second dip @ 230°C 62Sn/36Pb/2Ag, RMA Flux ≥ 95%

Recommended Processing Guide

Printing Parameters	250 - 280 mesh stainless steel screen. 0.5 mil emulsion
Drying Temperature	Leave at room temp. for 5-10 minutes.Dry at 150°C for 10 minutes.

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Recommended Processing Guide (continued)

Process Temperature (TDS)	850°C peak temperature Dwell time of 10-12 minutes. Total cycle time 36-60 minutes
Film Thickness	Dried: 30 - 36 microns- Fired: 18 - 25 microns
Recommended Thinner	Heraeus HVS-100, Heraeus RV-372

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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 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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