

3245

Disc Termination

Description

3245 is a silver bearing conductor paste designed to screen print solderable electrodes onto a variety of electrical ceramic component devices. The fired film forms a highly adherent bond to many types of substrates, including piezoelectric transducers (PZTs), NTC thermistors, alumina, steatite and porcelain. The metalized electrode is solderable for external lead attachments.

Key Features

- Excellent adhesion Excellent solderability Compatible on piezoelectric transducers (PZTs), NTC thermistors, alumina, steatite and porcelain



Typical Properties

Viscosity	90 – 110 kcps Brookfield RVT, Spindle #7 @ 20 rpm, 25°C
Resistivity	≤ 4.0 milliohms per square at 25 microns fired film thickness.

Recommended Processing Guide

Printing Parameters	250 stainless steel mesh screen 0.7-1.0 mil emulsion
Drying Temperature	100-150°C for 10-15 minutes
Process Temperature (TDS)	650 - 750°C peak temperature Dwell time 8-12 minutes at peak Cycle time of 45-60 minutes Larger parts may require a longer firing profile
Film Thickness	9 - 14 microns
Recommended Thinner	Heraeus RV-252

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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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