

DT8785

Component Metallization

Description

DT8785 is a solderable silver termination paste designed for NTC thermistor bodies. It has a wide firing range with excellent solderability and adhesion using lead free solder. The rheology is suitable for screen printing.

Key Features

- Formulated for NTC bodies Excellent adhesion
Excellent solderability Wide firing window Screen printable



Typical Properties

Viscosity	25 – 35 Pa-s; Paar Physica Rheometer, Parallel Plate (PP50), 1 mm gap, 100/s @ 25°C
Solids	85.0 ± 1.0%
Resistivity	< 2.5 mΩ/□ at 12 µm fired film thickness
Solderability	Sn99/Cu1 at 250 °C, 3 – 5 seconds (RMA Flux) SAC305 at 250 °C, 3 – 5 seconds (RMA Flux)

Recommended Processing Guide

Printing Parameters	280 – 325 mesh stainless steel screen 0.5 mil emulsion
Drying Temperature	150 °C for 10 - 20 minutes
Process Temperature (TDS)	700 – 800 °C peak temperature Dwell time of 10 – 12 minutes at peak

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Recommended Processing Guide (continued)

Film Thickness	Wet 32 – 34 µm Fired 10 – 12 µm
Recommended Thinner	Heraeus RV-507

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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 20 – 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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