

SR21-350

Resistor

Description

SR 21-350 Series is a pure silver resistor paste, especially developed for use as heater paste on dielectric like SD 1010. It should be applied in a post-firing process on the dielectric.

Key Features

- Very cost effective using pure silver

Typical Properties

Viscosity	30 – 60 Pa·s (25°C, D = 100/s)
Blendable	Yes
Coverage	
Resistance Range	18 mΩ/sq - 100 mΩ/sq
Blendable Series	Yes
Overglaze	SD 1019
Laser Trim	No

Recommended Processing Guide

Printing Parameters	Print through a 200 – 325 mesh stainless steel screen.
Printing Speed	Up to 20 cm/s
Leveling	
Drying Temperature	Dry at 150 °C for 10 minutes.

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Recommended Processing Guide (continued)

Process Temperature (TDS)	Fire at 850 °C (peak) for 10 minutes, and with a total firing cycle time of approx. 30 – 60 minutes.
Film Thickness	11 – 16 µm
Recommended Thinner	Heraeus HVS 100

Notes

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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, cool (5 - 25°C), dark place with container tightly shut. Allow paste to come to room temperature prior to opening. Spatulate well before using.

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