

QS Silver Sintered Paste

QSSS



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Features

Nano-Silver Paste is specifically designed and formulated for low temperature, low pressure sintering. The paste is suitable for dispensing and stencil printing & works very well on Cu, Ag and Au surfaces and Ti-Ni-Ag and Au die backside metallization.

Applications

Nano Silver Paste is intended for attaching Ag or Au back finished die onto bare Cu or Ag or Au finished DCB or lead frame substrates.

Part Number

QSSS

Package

Container

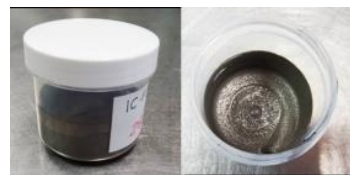
Marking

Q

Key Values

PARAMETER	VALUE	UNIT
<i>Colour</i>	Grey	—
<i>Solids (Ag)Content</i>	85-86	%
<i>Viscocty</i>	≈ 500	KcPs
<i>Density</i>	≈ 4.5	g/cm ³
<i>Sintering Temperature</i>	Ag, Cu	250 °C
	Au	275 °C
<i>Sintering Atmosphere</i>	Air@ ≈ 100	HPa
<i>Sintering Pressure</i>	1 – 5	MPa
<i>Shelf life (5°C)</i>	>12	month

Package



ROHS Compliant
REACH Compliant

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Disclaimer:

The products described in this datasheet are intended for general-purpose applications, and their specifications and performance characteristics have been established under standard operating conditions. They are not specifically designed or authorized for use in life-critical or life-support systems. Life-critical systems are those in which the failure of a semiconductor device could lead to loss of life, severe injury, or severe damage to property.

It is essential to note that the use of our products in life-critical systems is strictly prohibited without prior written consent and agreement with Quest Semi. Any such usage is at the sole risk of the customer, and Quest Semi disclaims any liability, damages, or loss arising from the use of our products in such applications.

If you are considering the use of our products in life-critical systems, please contact our sales and technical support teams to discuss the necessary measures, risk assessment, and product customization that may be required to ensure compliance with the stringent safety and reliability standards associated with these applications. Customers are strongly advised to conduct their own analysis and testing to confirm the suitability and reliability of our products for their intended application, especially in life-critical systems.

Quest Semi reserves the right to make changes to product specifications and discontinue products without notice. It is the responsibility of the customer to ensure that the latest versions of datasheets are consulted before finalizing system designs or orders.