

SMA Surface Mount Adhesive

SMA is a heat curable, one-part thixotropic adhesive. It has high uncured green strength and a fast cure cycle with medium bond strength. It is used for holding components in place during soldering operations in surface mount assemblies.

- High 'green strength'; ensures components do not move during handling and before curing
- Single-part system with thixotropic properties; high dot profile
- Long term stability after cure cycle; flexible in cured state to ensure components are not stressed
- Fast cure heat cure or at 90°C for component safety; not affected by UV light during assembly

Typical Properties

Colour	Red
Consistency	Thixotropic Paste
Viscosity (mPa s)	145,000
Filler diameter (µm)	< 10
Shore Hardness	D85
Cure Profile	60 secs @ 150°C 3-4 mins @ 120°C 30 mins @ 90°C
Operating Temperature Range (°C)	-40°C to +130
Volume Resistivity (Ω-cm)	1×10^{16}
Dielectric Constant @ 1kHz	~ 3.5
Storage Conditions-Shelf Life	12 months @ 0-5°C 9 months <20°C

<u>Description</u>	<u>Packaging</u>	<u>Order Code</u>	<u>Shelf Life</u>
Surface Mount Adhesive	10ml Luer Lock Syringe	SMA10SL	See Above

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