

## Surface Mount Adhesive

Product Code: SMA

### PRODUCT DESCRIPTION

**Electrolube Surface Mount Adhesive** is a heat curable, one-part thixotropic adhesive. It has high uncured green strength and a fast cure cycle with medium bond strength.

### PRODUCT USE

For holding components in place during soldering operations in surface mount assemblies.

### FEATURES

- \* High 'green strength' - i.e. excellent 'stickiness' ensures components do not move during handling before curing has taken place.
- \* Thixotropic properties give high dot profile.
- \* Excellent mechanical strength.
- \* Not affected by UV light so that assembly operations can be carried out in normal conditions of light.
- \* Resistant to PCB cleaning solvents.
- \* High dielectric strength.
- \* Long term stability after cure cycle.
- \* Fast cure at 120°C or longer cure at 90°C for component safety.
- \* Single part system.
- \* Flexible in cured state to ensure components are not stressed.
- \* Medium strength cured bond allows component removal for rework.

### TYPICAL PROPERTIES

Colour:	Red
Consistency:	Thixotropic Paste
Viscosity:	145,000 cPs
Filler diameter:	< 10 microns
Hardness (shore):	85
Cure:	60 secs @ 150°C 3-4 mins @ 120°C 30 mins @ 90°C
Working temperature range after curing:	-40°C to +130°C

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Volume Resistivity:  $1 \times 10^{16}$  Ohms/cm  
Dielectric constant:  $\approx 35$  at 1khz

### PACKAGING

10ml Luer Lock Syringe

### ORDER CODE

SMA10SL

A range of additional SM adhesives are available manufactured by Koki, Japan.

### STORAGE CONDITIONS

The typical shelf life of this product is as follows:-

12 months from date of manufacture if stored between 0-5°C.

9 months from date of manufacture if stored below 20°C.

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