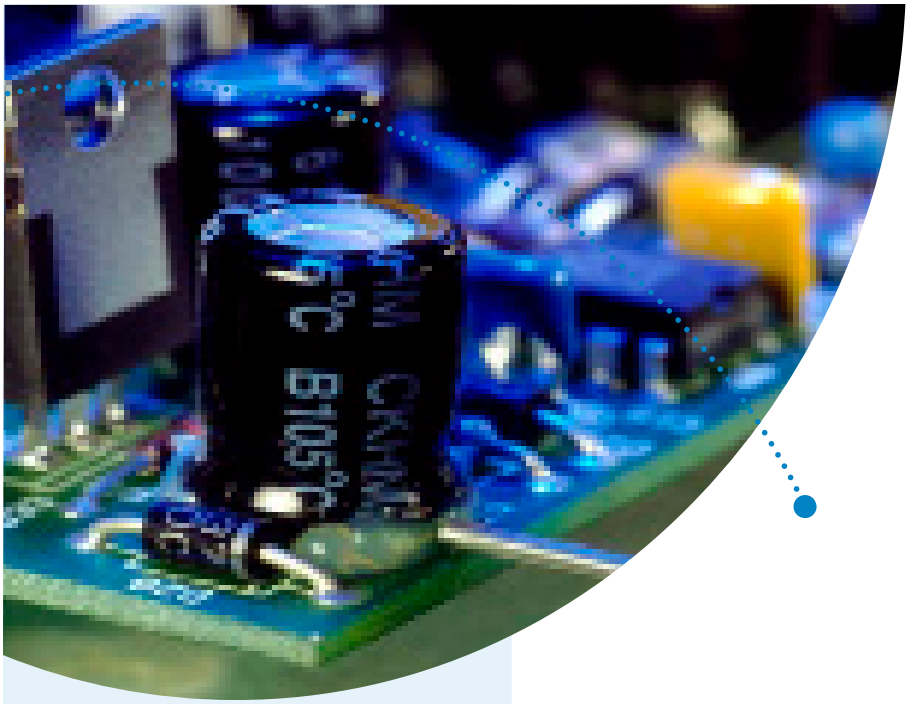


Ruggedizing Power Supply Assembly Boards

Protect Your Critical Components from Damage

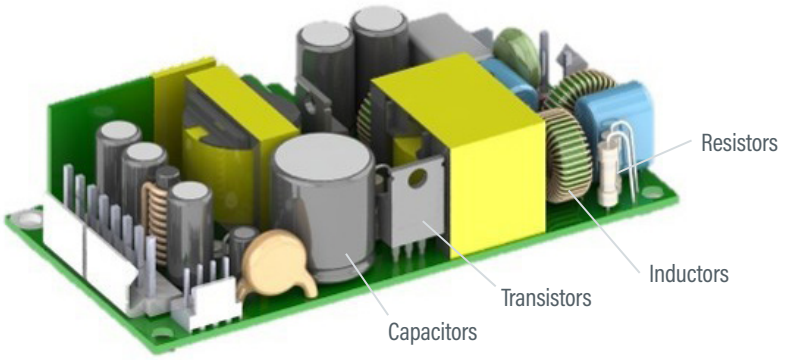
- Suitable for pre-solder fixation
- Excellent protection of components during handling and assembly
- Provides vibration protection for extended product life
- Excellent alternative to RTV adhesives
- Excellent dispensing properties and cures in seconds

Dymax ruggedizing adhesives cure in seconds when exposed to UV/Visible light, allowing for faster part processing and higher throughput. Their easy dispense and quick cure properties make them an excellent alternative to RTV adhesives. Dymax ruggedizing adhesives are designed for staking and reinforcing various power supply components such as resistors, cans, capacitors, and coils. They are also suitable for use in pre-soldering fixation. They offer excellent vibration protection, resulting in higher quality products with longer product life, and provide excellent component protection against damages during the assembly process and handling afterwards.

Product	Features	Viscosity, cP	Durometer Hardness	Tensile at Break, MPa [psi]
9309-SC	UV/Visible light cure; one-part – no mixing required; highly thixotropic for minimal movement after dispense; blue to colorless color change upon full cure (See-Cure Technology)	45,000	D57	22 [3,200]
921-GEL	UV light cure with secondary heat or activator cure; one part - no mixing required	25,000	D80	25 [3,640]

* Dymax ECE-5000, 250 mW/cm^2 at 30 secs ** Dymax ECE-5000, 250 mW/cm^2 at 10 secs

Common Application Areas for Ruggedizing



Recommended Equipment

5000-EC Flood-Lamp Systems

These flood-lamp systems cure large parts or many small parts simultaneously. They offer typical intensity outputs of 225 mW/cm^2 over a 5" x 5" (12.7 cm x 12.7 cm) curing area. They can be incorporated into automated systems, mounted onto conveyors, or paired with accessories and used as turnkey, bench-top units.

UVCS Conveyor Systems

UVCS conveyor systems are an ideal choice for manufacturers who need to cure larger parts or large quantities of smaller parts. Standard UVCS systems consist of a 12"-wide belt that can be outfitted with a variety of broad-spectrum and LED curing flood lamps. Broad-spectrum flood lamps are available with standard metal halide (longwave UV), mercury (shortwave UV), or visible bulbs to accommodate various applications. Conveyors that utilize LED floods are available in 365, 385, and 405 nm curing wavelengths.

BlueWave® 200 Spot-Curing System

This high-intensity spot-lamp system emits energy in the UVA and visible portion of the spectrum (300-450 nm) for curing adhesives, coatings, and encapsulants. The unit's smooth faceplate design features an operator interface with a lighted, easy-to-read LCD display. The LCD display offers enhanced unit status and notification displays as well as extended exposure time settings to 9,999.9 seconds.

SD-100 Digital Syringe Dispenser

This system accurately dispenses low-to-high viscosity materials from a 3, 5, 10, or 30/55 mL syringe. It can be used as an operator work station or integrated into an automated process by connecting an external signal to the system input. The unit features vacuum suck-back for clean, crisp shutoff of fluids, can be programmed with up to 9 different dispense setting routines, and has three operation modes for dispensing flexibility.

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