



RT183 Epoxy

July 2017

Electrically Conductive Epoxy Adhesive

This adhesive is specifically designed for shield and connector termination in EMC applications.

A silver loaded adhesive, developed to terminate screened moulded shapes and can withstand high temperatures, aggressive solvents and fuels.

- Easy to apply DuoSyringe System.
- Standard size is 25ml (50g).
- Mixing nozzle and associated dispensing gun available separately.

Typical Properties:

Work life @ 23°C:	60 min
Time to handling at 23°C	8 hours
Cure time @ 23°C	24 hours
Cure time @ 80°C	1 hour
Cure time @ 100°C	30 min

Part Numbering:

Adhesive	RT183-DS-050
Dispensing gun	RT183-HANDGUN
Mixing nozzle	DN007 Mixer



Electrically Conductive

Easy to use medium viscosity adhesive
Room temperature or elevated temperature cure

Typical Performance (cured for 30 minutes at 100°C)

Lap Shear	(Al / Al @ 23°C)	8 Mpa
Resistivity	(@ 23°C)	<10 ⁻² ohm-cm
Lap Shear	(Al / Al @ 150°C)	8 Mpa
Resistivity	(After 172 hrs @ 150°C)	<0.01 ohm-cm
Lap Shear	(Al / Al @ 40°C in water)	6 Mpa
Resistivity	(After 172 hrs @ 40°C in water)	<0.01 ohm-cm
Operating temperature range		-55°C to +150°C

Colour: Silver

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