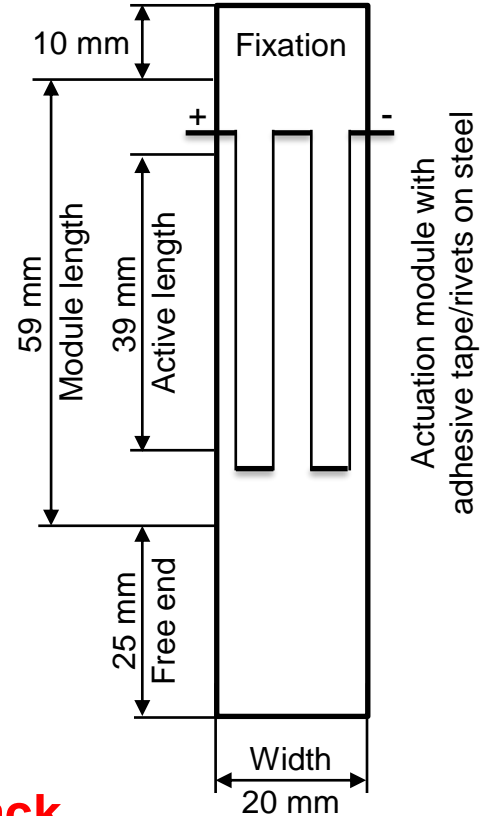
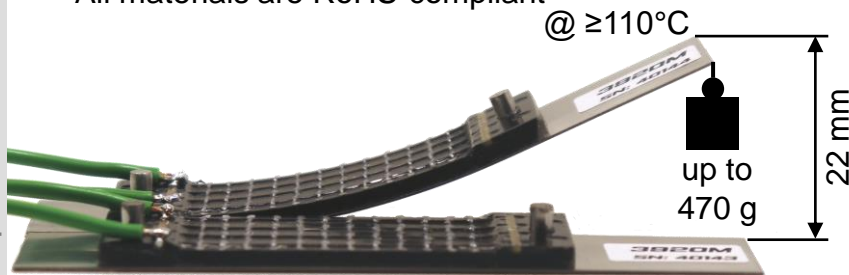


Sample Actuator *Curve*® plugged 3920E20



- Module size: 59 mm x 20 mm x 2.5 mm
- Active length: 39 mm
- Module weight: 3.2 g
- Load range: up to 470 g at tip
→ with high cycling stability ≥ 300.000 cycles
- Dimensions of module size customizable
- Individual deflection
- Flexible mechanical and electrical interfaces
- Electrical resistivity can be modified
- All materials are RoHS-compliant



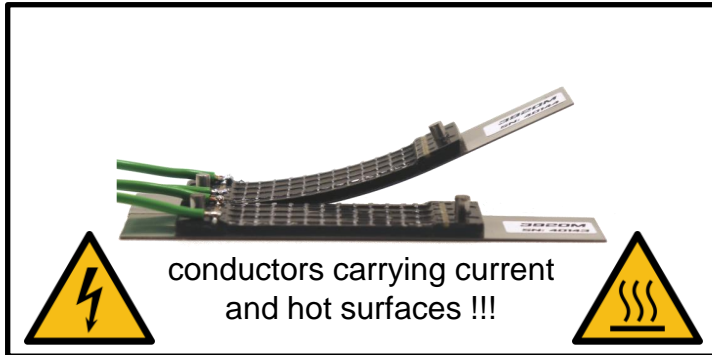
application notes on the back

Sample Actuator *Curve*[®] plugged 3920E20



application notes

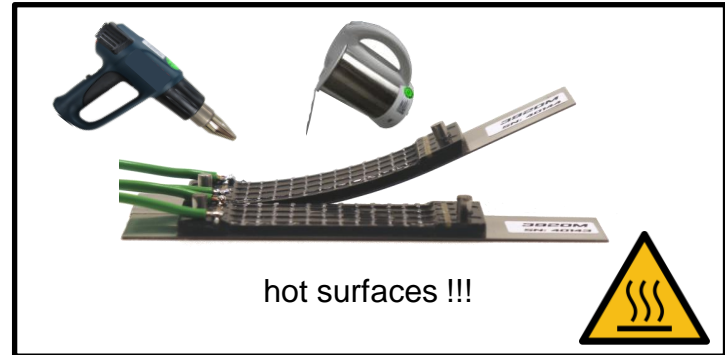
Curve[®] plugged



conductors carrying current
and hot surfaces !!!

Electrical resistivity: 0.8 Ω
Activation by heating current / max time:
e.g. 3A/15s; 4A/4s; 5A/1.3s
for a cooled down actuator in calm air at 23°C

Curve[®] unplugged



hot surfaces !!!

Begin of actuation: ~ 60°C
End of actuation: ~ 110°C
Maximum temperature: 130°C permanent
> 150°C short-term

- **Current and time period only as a guide for a cooled down actuator in calm air at 23°C**
→ **Risk of overheating for subsequent activation** without adaption of current and time period
- To avoid damage do not exceed maximum temperature either electrical or thermal
- Uncontrolled electrical heating can lead to overheating → **risk of fire!**
- Operate exclusively with controllable power source in the SELV (safe extra-low voltage) range