

P-1901-1.11 14.4W HEATER FOIL

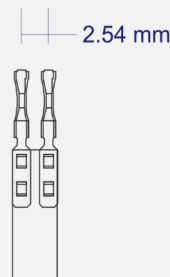
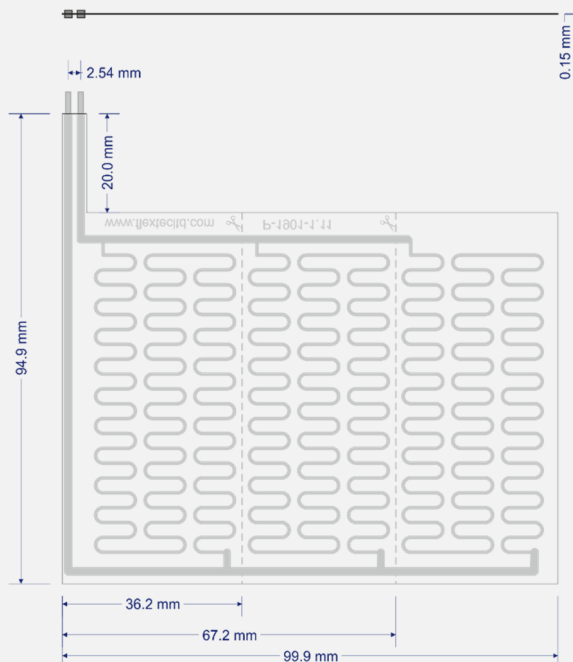
TECHNICAL DATASHEET

General informations: Transparent, flexible, custom cut able, top (wire) side with adhesive layer.

Application: Glasses, plastics, displays, mirrors defrosting and dehumidifying. Electronic devices heating, temperature stabilizing.

Dimensions:

Connector:



2 way connector crimp. Able to connect or solder* to pin array.

*Foil max. temperature is 130 °C. Because of this soldering must be fast and low temperature.

Electrical properties:

Non cutted heater foil

$I_{max}(DC) = 1000 \text{ mA}$ (current stabilizer proposed)
 $I_n(DC) = 833 \text{ mA}$ (current stabilizer proposed)
 $V_n(DC) = 12 \text{ V}$
 $P_{max} = 14.4 \text{ W}$ (1000 mA / 14.4 V)
 $P_n = 10 \text{ W}$ (+/- 2 W)
 $R = 14.4 \Omega$ (+/- 4 Ω)
 $t_{max} = 110 \text{ }^\circ\text{C}$

Cutted heater foil

$I_{max}(DC) = 333 \text{ mA}$ * unit
 $I_n(DC) = 278 \text{ mA}$ * unit
 $V_n(DC) = 12 \text{ V}$
 $P_{max} = 4.8 \text{ W}$ * unit
 $P_n = 3.3 \text{ W}$ (+/- 1 W) * unit
 $R = 43 \Omega$ (+/- 4 Ω) / unit
 $t_{max} = 110 \text{ }^\circ\text{C}$

Assembly:

The heater foil covered with high force, not removable adhesive film. Re-positioning is not possible after sticking!

The support surface must be smooth, clean (dust and grease free) before sticking.

In case of sticking to conductive surface (alu, copper, etc.) need to use intermediate dielectric layer because the adhesive film is not able for insulate of heating wires!

Options:

- 2 way connector house (for non-soldering connection).
- Adhesive dielectric film for sticking to metal surface.

You can order custom heater foil as well! info@flextec.hu