

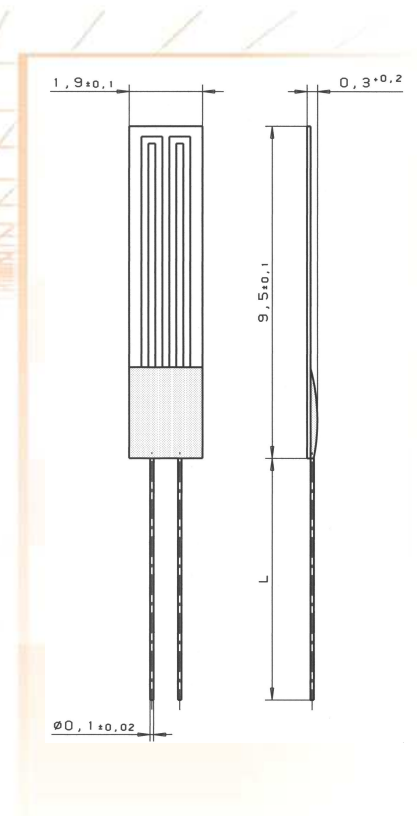
Pt 6,8 M 1020

The platinum microheater is designed for applications in the automotive industry, e. g. in air flow meters, for low flow applications in HVAC or for medical analytical equipment. Features include very low response times, excellent long term stability and very high operating temperature ranges.

Nominal Resistance R0	Tolerance	Order Number
6.8 Ohm at 0°C	±0.50 Ohm	32 208 172

Other resistance values on request!

Temperature range	-40°C to +500°C; the heating current should be chosen so that the maximum allowed temperature is not exceeded
Temperature coefficient	TCR = 3850 ppm/K
Design	photolithographically structured platinum thin film on a 0.15mm thick Al ₂ O ₃ - substrate, glass film passivation
Terminal leads	platinum wire, Ø 0.1mm; pull test ≥ 1 N
Lead length (L)	3.5mm ±0.5mm
Long- term stability	max. R ₀ -drift 0.04% after 1000 h at 500°C
Vibration resistance	min. 40g acceleration at 10 to 2000 Hz; depending on mounting method used
Shock resistance	min. 100g acceleration with 8ms half sine wave; depending on mounting method used
Environmental conditions	for use even in high humidity ranges and in some corrosive atmospheres
Insulation resistance	> 100 MΩ at 20°C
Heating time	300 ms to 200°C with I _{max} < 2 A
Note	Other tolerances, values of resistance and wire lengths are available on request.



We reserve the right to make alterations and technical data printed. All technical data serves as a guideline and does not guarantee particular properties to any products.

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