



Micro Heaters



For targeted heating of small spaces



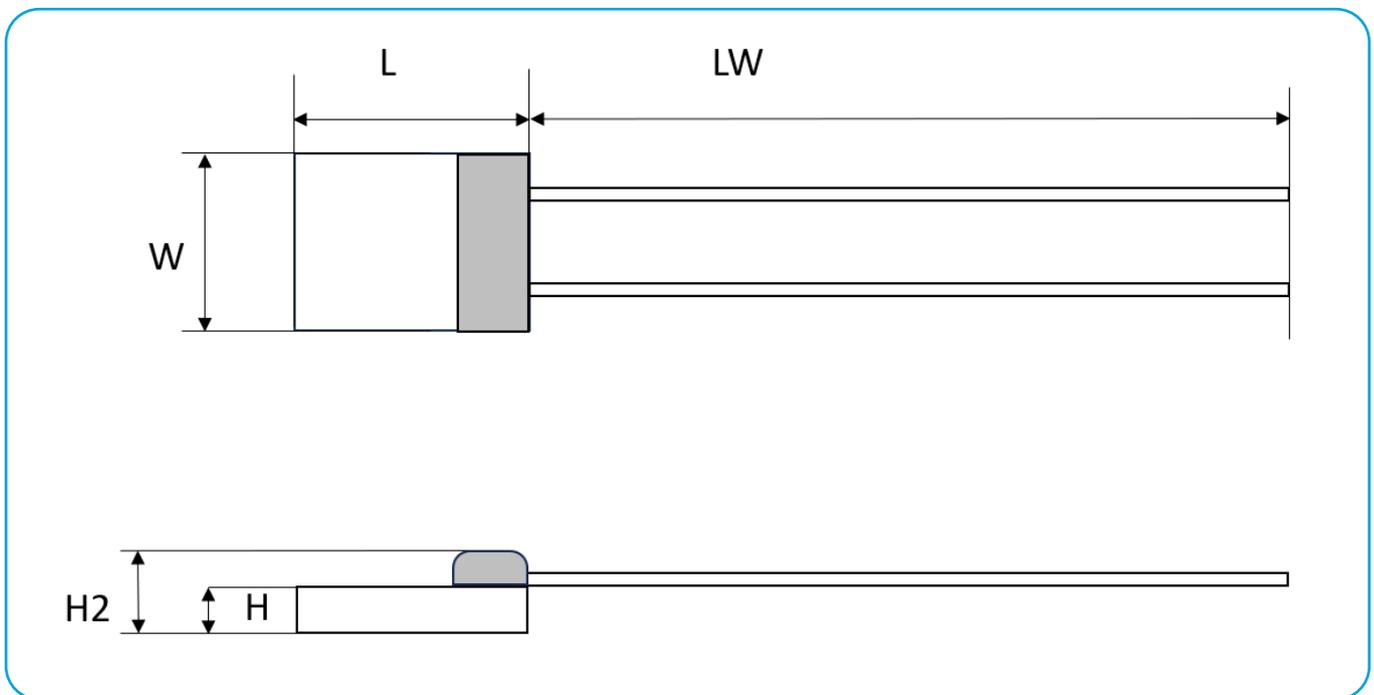
Benefits & characteristics



- Targeted heating of tiny spaces
- High precision
- High temperature stability
- Positive temperature coefficient



Illustration ^{1) 2)}



	L	W	H1	H2	L _w
	Length	Width	Substrate height	Total height	Wire length
Tolerance	± 0.1 mm	± 0.1 mm	± 0.1 mm	± 0.3 mm	L _w < 30 mm: ± 1 mm L _w ≤ 30 mm: ± 1.5 mm

¹⁾ For actual size, see dimensions in chapter order information

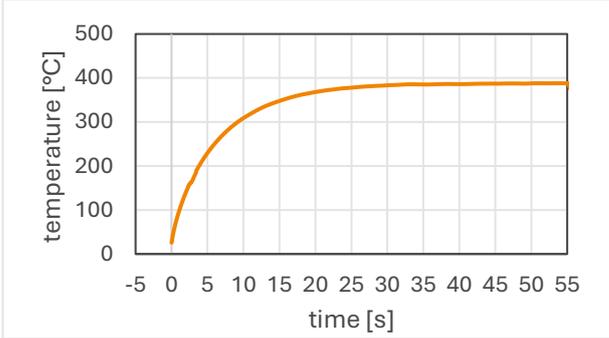
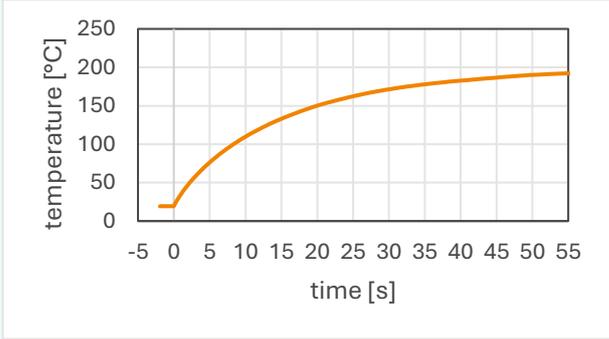
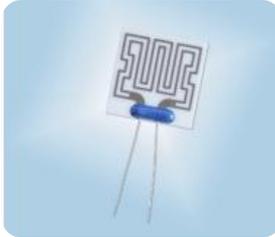
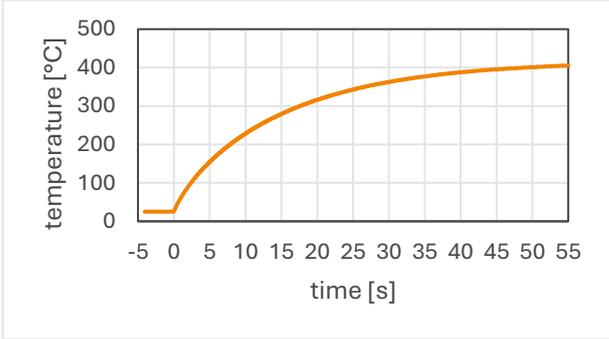
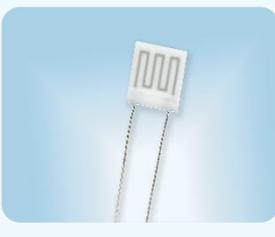
²⁾ All dimensions are in mm

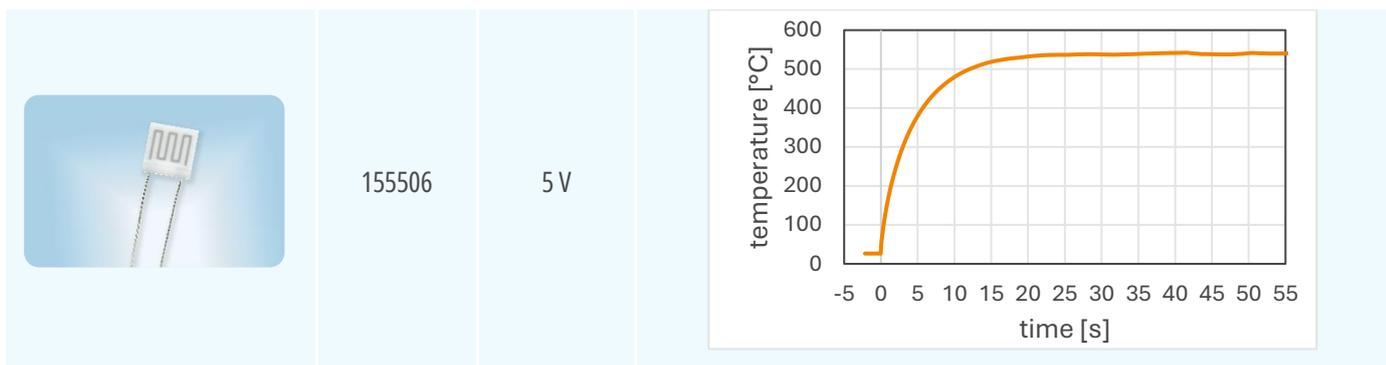


Heat-up curves



- Heat-up curves measured through thermography in still laboratory air
- Temperature values are given as average values over active area, excluding glass cover
- During heat-up measurements, no thermal load is applied to heaters
- Supply voltages specified in tables are applied as constant DC voltage

Heater Model	Order Code	Supply voltage	Heat-up curves
	154078	5 V	
	154081	6 V	
	154082	10 V	
	155358	9 V	



Order information

Product name	Order Code	Dimensions (L x W x H/ H2, L _w)	Resistance [Ω] at 0°C (± 20%)	Materials	Temperature range [°C]
HST.P05R0.0505.63A.4W.020	154078	5 x 5 x 0.6/ 1.1, 20	5	Platinum heater on Al ₂ O ₃ with Ag-wire, Ø 0.25 mm	-50 to +400
HST.P05R0.0505.38Z.10W.015	155506	5 x 5 x 0.4/0.9, 15	5	Platinum heater on ZrO ₂ with Pt-wire, Ø 0.2 mm, 15 mm long	-50 to +850
HST.P11R0.1010.63A.2L.020	154081	10 x 10 x 0.6/ 1.1, 20	11	Platinum heater on Al ₂ O ₃ with Cu/Ag wire, AWG28, PTFE insulated, red	-50 to +200
HST.P05R8.1515.63A.4W.020	154082	15 x 15 x 0.6/ 1.1, 20	5.8	Platinum heater on Al ₂ O ₃ with Ag-wire, Ø 0.25 mm	-50 to +400
HST.P05R0.0505.63A.10W.015	155358	5 x 5 x 0.6/ 1.1, 15	5	Platinum heater on Al ₂ O ₃ with Pt-wire, Ø 0.2 mm	-50 to +850

For customized heater options contact us!



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