



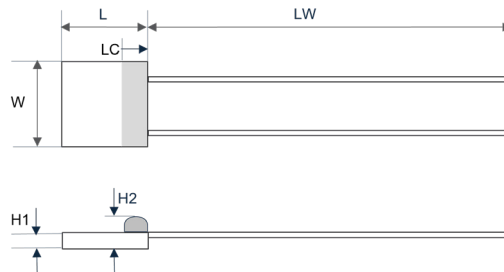
# Micro Heater

## For targeted heating of tiny spaces

### Benefits & Characteristics

- Targeted heating of tiny spaces
- High precision
- USB power supply
- High temperature stability
- Overheating protection
- Fast response time

### Illustration<sup>1)</sup>



1) For actual size, see dimensions

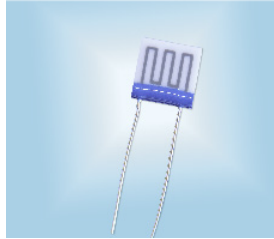
### Technical Data

	HST.5R5.0505.630.03.V01		HST.12R0.1010.630.03.V01		HST.6R4.1515.630.03.V01	
Resistance [Ω]:	6.0 <sup>±1.0</sup>		14.0 <sup>±2.0</sup>		6.4 <sup>±1.0</sup>	
Heating Material:	PTC (Positive temperature coefficient of resistance material)					
Substrate:	Al <sub>2</sub> O <sub>3</sub>					
Temperature range:	-50°C to +400°C		-50°C to +200°C		-50°C to +400°C	
Dimensions [mm]:	L	W	L	W	L	W
	5.0 <sup>±0.1</sup>	5.0 <sup>±0.1</sup>	10.0 <sup>±0.1</sup>	10.0 <sup>±0.1</sup>	15.0 <sup>±0.1</sup>	15.0 <sup>±0.1</sup>
	H1	LW	H1	LW	H1	LW
0.63 <sup>±0.1</sup>	20.0 <sup>±2</sup>	0.63 <sup>±0.1</sup>	20.0 <sup>±2</sup>	0.63 <sup>±0.1</sup>	20.0 <sup>±2</sup>	
	H2	LC	H2	LC	H2	LC
	1.3 <sup>±0.2</sup>	1.5 <sup>±0.1</sup>	1.3 <sup>±0.2</sup>	2.3 <sup>±0.1</sup>	2.2 <sup>±0.2</sup>	3.0 <sup>±0.3</sup>
Lead wires:	Ag wire, Ø 0.25 mm		Cu/Ag wire, AWG28 PTFE		Ag wire, Ø 0.25 mm	
Heating voltage: (suggested)	5 V		12 V		For high voltage densities	

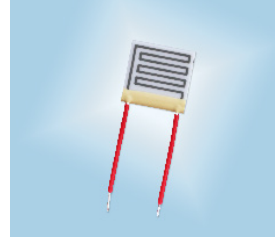
[Customized options on request](#)



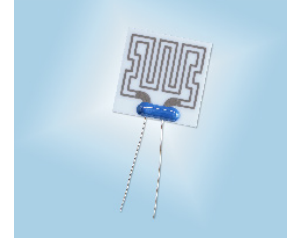
## Order Details



HST.5R5.0505.630.03.V01



HST.12R0.1010.630.03.V01



HST.6R4.1515.630.03.V01

Order no.

154078

154081

154082



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All mechanical dimensions are valid at 25 °C ambient temperature, if not differently indicated • All data except the mechanical dimensions only have information purposes and are not to be understood as assured characteristics • Technical changes without previous announcement as well as mistakes reserved • The information on this data sheet was examined carefully and will be accepted as correct; No liability in case of mistakes • Load with extreme values during a longer period can affect the reliability • The material contained herein may not be reproduced, adapted, merged, translated, stored, or used without the prior written consent of the copyright owner • Typing errors and mistakes reserved • Product specifications are subject to change without notice • All rights reserved

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