



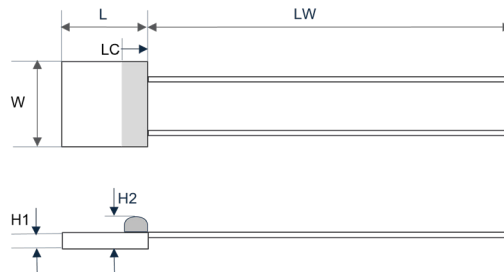
Micro Heater

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

Illustration¹⁾



1) For actual size, see dimensions

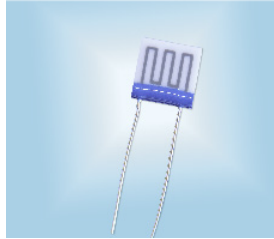
Technical Data

	HST.5R5.0505.630.03.V01		HST.12R0.1010.630.03.V01		HST.6R4.1515.630.03.V01	
Resistance [Ω]:	6.0 ^{±1.0}		14.0 ^{±2.0}		6.4 ^{±1.0}	
Heating Material:	PTC (Positive temperature coefficient of resistance material)					
Substrate:	Al ₂ O ₃					
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 ^{±0.1}	5.0 ^{±0.1}	10.0 ^{±0.1}	10.0 ^{±0.1}	15.0 ^{±0.1}	15.0 ^{±0.1}
	H1	LW	H1	LW	H1	LW
	0.63 ^{±0.1}	20.0 ^{±2}	0.63 ^{±0.1}	20.0 ^{±2}	0.63 ^{±0.1}	20.0 ^{±2}
	H2	LC	H2	LC	H2	LC
	1.3 ^{±0.2}	1.5 ^{±0.1}	1.3 ^{±0.2}	2.3 ^{±0.1}	2.2 ^{±0.2}	3.0 ^{±0.3}
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	

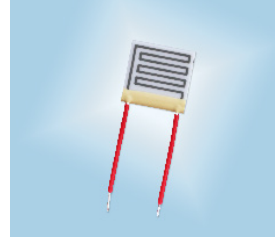
[Customized options on request](#)



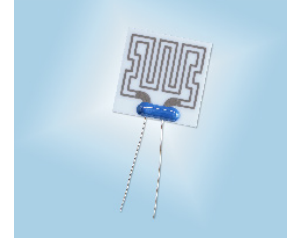
Order Details



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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