

HTS-14 Series

Characteristic

HTS-14 series heating elements are made in a thick film technology, on stainless steel substrates. These heaters are designed for contact heating of flat surfaces. In compare with an usual tubular heating elements, heaters on stainless steel substrate provides substantially better temperature transfer and higher power at compact size. These elements can also be useful in applications, where low thickness of the heating element is important. Another application of these elements is to use as a power resistor. HTS-14 series elements have outputs in the form of contact/solder fields, soldered wires, connectors, or screw terminals.

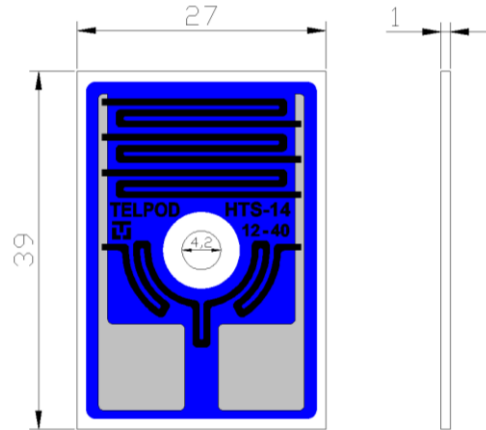


Fig. 1. Preview with dimensions [mm]

Parameter	Value
Rated power (on heatsink)	10 – 100 W
Pulse power (2s) (on heatsink)	350 W
Power tolerance	±10 %
Supply voltage	12 - 240 V
Dielectric layer breakdown voltage	> 2 kV
Temperature coefficient of resistance (TCR)	±100 ppm/°C
Max. element temperature (on surface)	400 °C
Max. element temperature (with soldered connectors or wires)	170 °C

Typical values

Supply voltage	Rated power
12 V	40 W
24 V	40 W
230 V	30 W
230 V	50 W
230 V	100 W

Product marking

HTS-14 - 24 - 40 - 1			
Serie	Supply voltage	Power	Terminals
	12 - 240 V	10 - 100 W	1 - contact/soldering fields 2 - soldered wires 3 - 90° connectors 4 - 45° connectors 5 - screw connectors

HTS-14 Series

Terminal types

HTS-14- ... -1

Contact / solder fields



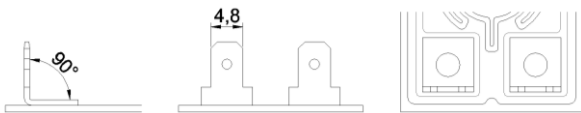
HTS-14- ... -2

Soldered wires



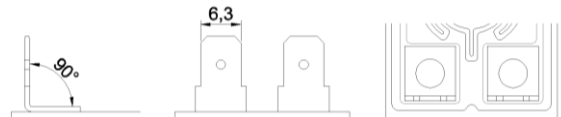
HTS-14- ... -3/4.8

4.8 connectors at 90°



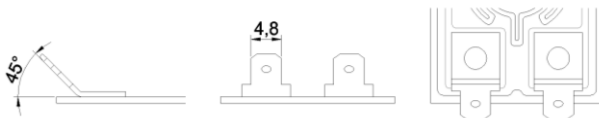
HTS-14- ... -3/6.3

6.3 connectors at 90°



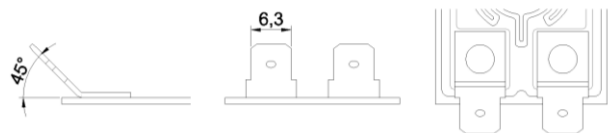
HTS-14- ... -4/4.8

4.8 connectors at 45°



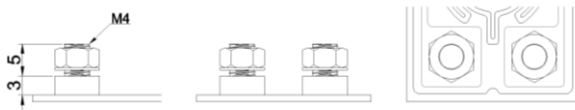
HTS-14- ... -4/6.3

6.3 connectors at 45°



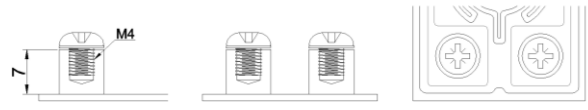
HTS-14- ... -5/A

Screw connectors with the nuts



HTS-14- ... -5/B

Screw connectors with the screws



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