Technical Data Sheet

TELPOD
Manufacturer of electronic components

Thick-film heating elements
HTS-11

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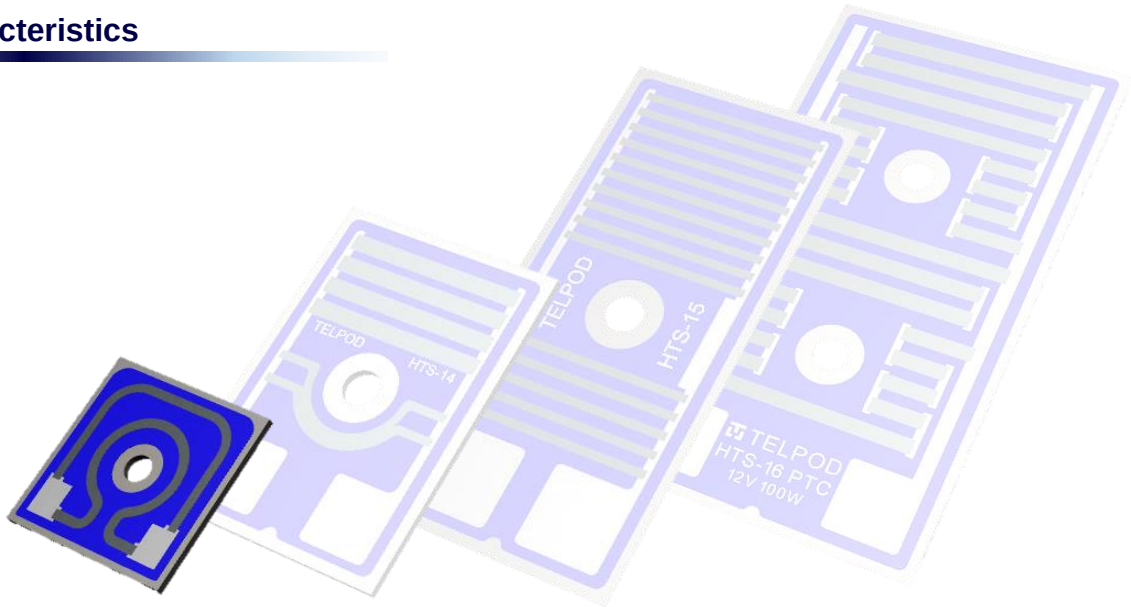
Characteristics



Description

HTS 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 series elements have outputs in the form of contact/solder fields, soldered wires, connectors, or screw terminals.

Features

- Very good power/volume ratio
- Power applications up to 500W
- Flat design
- Non inductive
- Easy mounting
- RoHS compliant

RoHS compliant

Technical Specifications

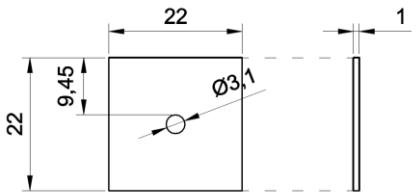
	HTS-11-...
Power rating (on heatsink)	10 … 60 W
Power Tolerance	±5%, ±10 %
Nominal Voltage	5 … 18 V
Electric strength voltage	2,5 kV
Temperature coefficient	±100 ppm/^{0}C (available also ±1500 ppm/^{0}C)
Max operating temperature	170 ^{0}C (available also 300^{0}C)
External dimensions	22 x 22 x 1 mm
Mounting - torque for contacts M3	0,6 Nm … 0,8 Nm

Thick-film heating elements
HTS-11

External dimensions

[mm]

HTS-11-...

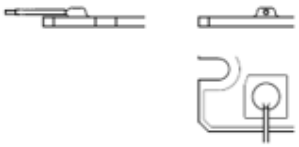


Types of terminals

... -1

Solder pads

... -2



Soldered wires

Ordering informations

Series	-	Voltage	-	Power	-	Tolerance	-	Terminal
HTS-11		5..18V		10..60W		5 % 10 %		1 2

Example

HTS-11 - 12 - 30 - 5 - 2

HTS-11 heating element for 12V voltage, 30W power, tolerance ± 5% with soldered wires.

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