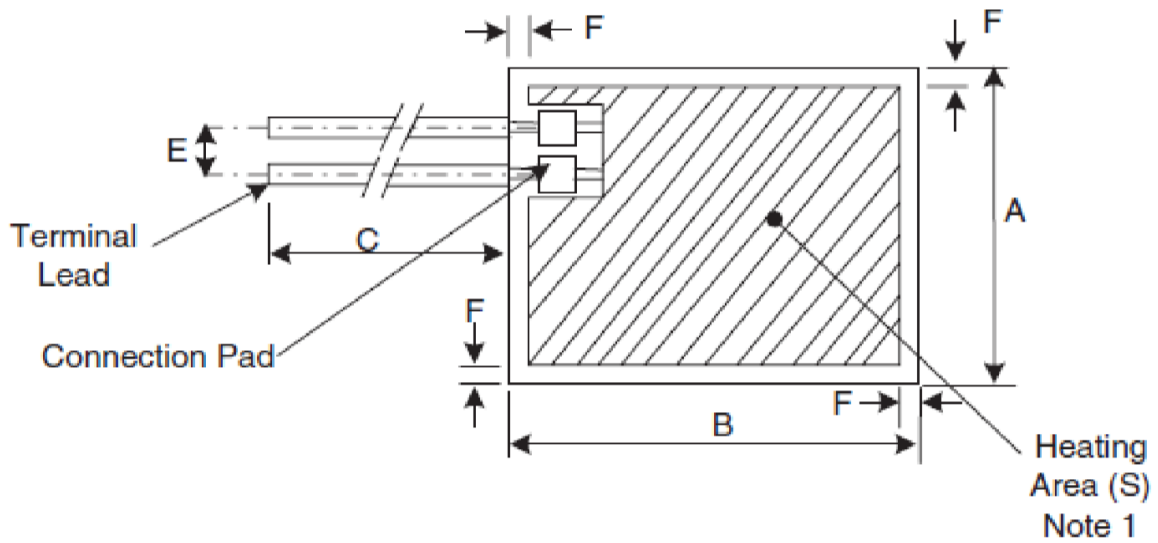


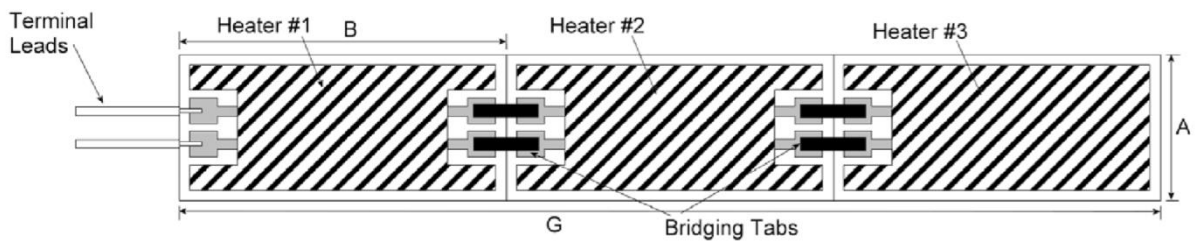
1.6 PHYSICAL DIMENSIONS AND HEATER OUTLINE

The general physical dimensions and heater layout shall be as follows. The heater type, construction, physical dimensions and heater layout applicable to a specific heater will be specified in the Heater Design Drawing held by the Manufacturer.

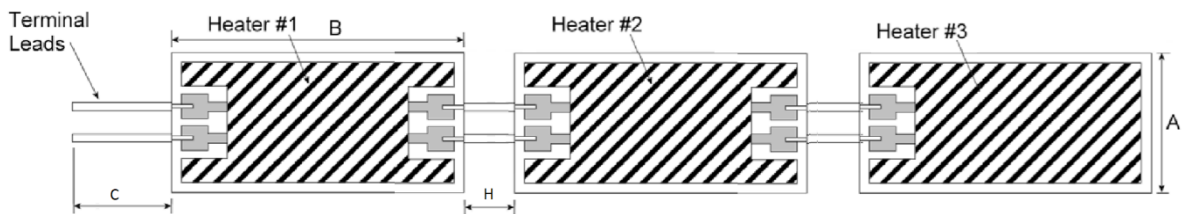
INDIVIDUAL HEATER



STRIP HEATER (NOTE 2)



MODULES HEATER (NOTE 11)



Symbol	Dimensions mm		Tolerance \pm mm	Heater Type	Remarks
	Min	Max			
A	6	590	Note 13	Individual	
	6	15	Note 13	Strip	Note 3
	8	200	Note 13	Modules	
B	8	600	Note 13	Individual	
	300	590	Note 13	Strip	Note 4
	10	590	Note 13	Modules	Note 14
C	300	-	Note 5	Individual & Strip & Modules	
E	2	-	Note 6	Individual & Strip & Modules	Note 7
F	0.4	-	-	Individual & Strip & Modules	Notes 8, 9
G	610	2500	0.5	Strip	Note 10
H	100	-	Note 12	Modules	
S	Note 1		-	Individual & Strip & Modules	Note 1

NOTES

1. The Heating Area, **S**, is defined as the total area of the heater excluding the peripheral margin, and the terminal lead and/or bridging tab connection areas. For *Strip & Module Heaters*, the Heating Area is the total for all the individual heaters connected together. The acceptable limits of **S** are specified in Component Type Variants and Range of Components.
2. A *Strip Heater* is made up of 2 to 5 individual, single layer heaters connected together in series by means of bridging tabs welded to each individual heater's connection pads.
3. *Strip Heater* width. All individual heaters in the *Strip Heater* shall have the same width.
4. The length of each individual heater in the *Strip & Module Heaters*.
5. The tolerance shall be $\pm 10\%$ on the required dimension.
6. The tolerance shall be $\pm 0.5\text{mm}$ on the required dimension.
7. Terminal lead spacing shall be measured at the terminal lead connection area. Terminal leads may exit the terminal lead connection area at any angle. The terminal leads may be located on any side of the heater. There may be more than 2 terminal leads (for multiple resistive element and double layer heaters).
8. Peripheral margin dimension.
9. Perforated holes in the peripheral margin are allowed provided that the distance between the edge of the hole and the heater resistive element or connection pad is equal to, or greater than, dimension **F**.
10. The total length of the *Strip Heater*.
11. A *Module Heater* is made up of 2 to 5 individual, single or double layer heaters connected together in series by means of wire welded to each individual heater's connection pads.
12. The tolerance shall be $\pm 15\text{ mm}$ or $\pm 10\%$, whichever is greater.
13. The tolerance shall be $\pm 0,5\text{ mm}$ or $\pm 0,5\%$, whichever is greater.
14. The sum of all **B** dimensions in a single *Module Heater* shall not exceed 1500 mm.

15. In any case, the final feasibility of each heater is established according to the limiting characteristics of the materials used and the production process and it is decided by the Manufacturer: not all the configurations are possible.