

### General

|                       |                             |
|-----------------------|-----------------------------|
| Productgroup          | PowerOne THT                |
| Mounting type         | THT                         |
| Material              | Brass                       |
| Surface               | tin                         |
| Customs tariff number | 85369095                    |
| Country of origin     | Federal Republic of Germany |
| Weight per pieces ~   | 0.018460 kg                 |

### Technical data

|                              |                            |
|------------------------------|----------------------------|
| Terminal / Type              | Bush through hole / Metric |
| Thread/Diameter x Length     | 6.000 mm x 8.00 mm         |
| Torque                       | 3.90 Nm                    |
| Socket length x Socket width | 13.000 mm x 13.00 mm       |
| Socket height                | 3.00 mm                    |
| Socket rounded               | no                         |
| Height total                 | 23.50 mm                   |
| Height over pcb              | 20.00 mm                   |
| No. of Pins                  | 24                         |
| Pin length                   | 3.50 mm                    |
| Grid dimension X / Y         | 2.54 mm / 2.54 mm          |
| Pin alignment                | unsymmetrical              |

### Processing

|                 |                               |
|-----------------|-------------------------------|
| Press in force  | 960 N up to 6000 N            |
| Retention force | 60-80 % of press-in force     |
| Press-in speed  | 100 mm/min. up to 250 mm/min. |
| PCB thickness   | 1.60 mm up to 3.20 mm         |
| Notice          |                               |

### Current carrying capacity

|                          |                       |
|--------------------------|-----------------------|
| Part (20°C) ~ / (85°C) ~ | 240.000 A / 144.000 A |
|--------------------------|-----------------------|

### Usage and storage

|                    |                                                   |
|--------------------|---------------------------------------------------|
| Temperature        | -40°C up to +150°C                                |
| Storage            | dry environment protected from weather conditions |
| Storage conditions | at +5°C up to +40°C, 75% RH, non-condensing       |

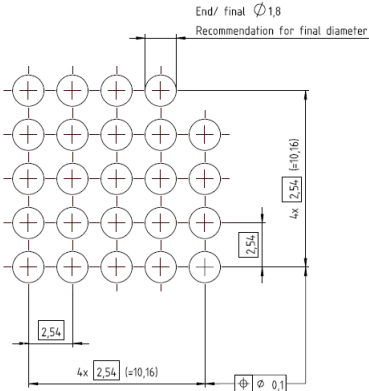
### Accessories

|               |
|---------------|
| Press in tool |
|---------------|

### Co-applicable documents

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Powerelement Guidelines | <a href="#">Link to Powerelement Guidelines</a> |
|-------------------------|-------------------------------------------------|

### Standard drill pattern

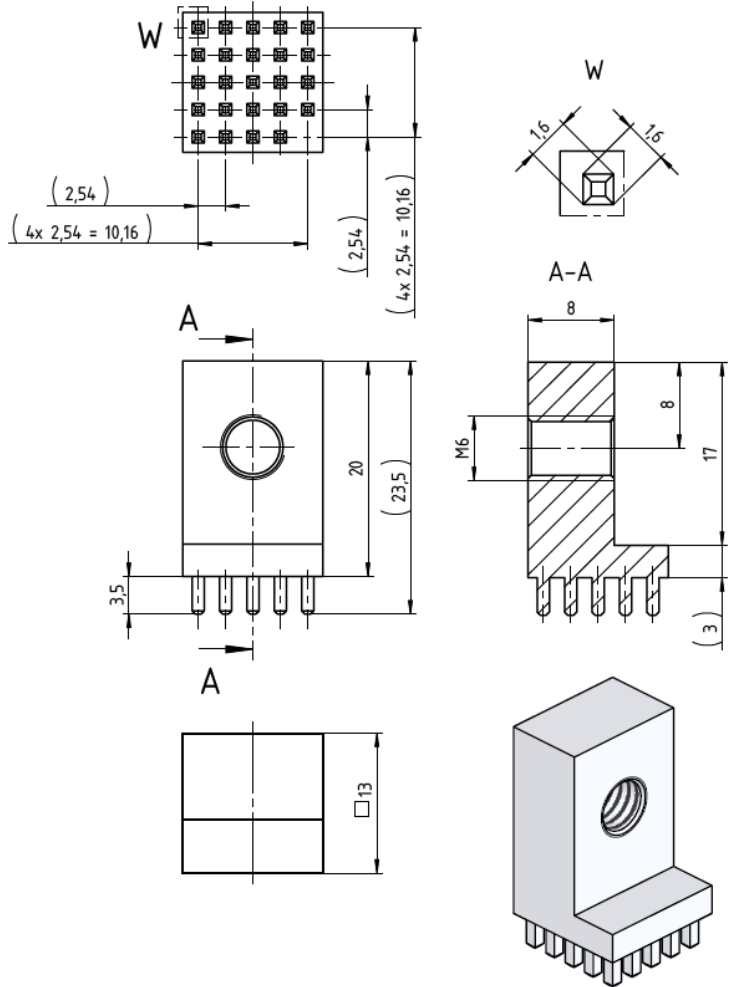


### Drill hole specification for PCB

|       |                                                                                                 |                    |                                                          |
|-------|-------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------|
| Cu    |                                                                                                 | Cu – in Hole       | Average min. 25 µm *                                     |
| End Ø |                                                                                                 | HAL chem. surfaces | (1,800 mm +0,1 / -0,05 mm)<br>(1,800 mm +0,1 / -0,05 mm) |
| Note: | For Press-fit Technology drill diameter and copper thickness are fix. End Ø for reference only. |                    |                                                          |

\* single measurement points in microsection

### Dimensions



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General tolerances

DIN ISO 2768-mH

Projection mode



Revision

Date

All measures in

C

23.06.25

mm

Part no.

**K95681**

Description

**PowerOne THT Bracket**



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