

### General

|                       |                             |
|-----------------------|-----------------------------|
| Productgroup          | PowerOne SMD                |
| Mounting type         | SMT                         |
| Material              | Brass                       |
| Surface               | tin-plated +                |
| Customs tariff number | 85369095                    |
| Country of origin     | Federal Republic of Germany |
| Weight per piecs ~    | 0.002830 kg                 |

### Technical data

|                          |                    |
|--------------------------|--------------------|
| Terminal / Type          | Bolt / Metric      |
| Thread/Diameter x Length | 4.000 mm x 6.00 mm |
| Torque                   | 1.20 Nm            |

|                              |                    |
|------------------------------|--------------------|
| Socket length x Socket width | 9.000 mm x 9.00 mm |
| Socket height                | 3.50 mm            |
| Socket rounded               | no                 |
| Height total                 | 9.50 mm            |
| Height over pcb              | 9.50 mm            |

### Processing

|                                       |              |
|---------------------------------------|--------------|
| PCB thickness                         | min. 1.00 mm |
| Recommendation Solder cream thickness | 150 µm       |
| Notice                                |              |

### Current carrying capacity

|                          |                      |
|--------------------------|----------------------|
| Part (20°C) ~ / (85°C) ~ | 120.000 A / 72.000 A |
|--------------------------|----------------------|

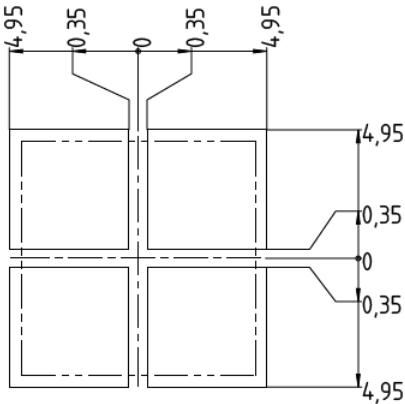
### Usage and storage

|                    |                                                   |
|--------------------|---------------------------------------------------|
| 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       |

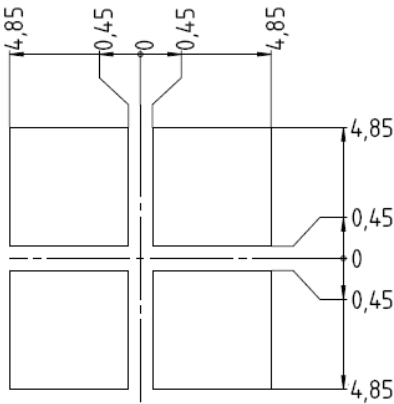
### Co-applicable documents

|                         |                                 |
|-------------------------|---------------------------------|
| Powerelement Guidelines | Link to Powerelement Guidelines |
|-------------------------|---------------------------------|

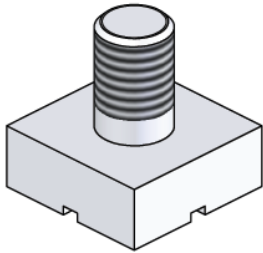
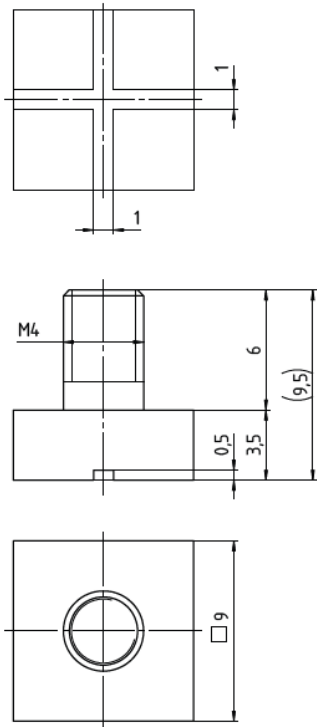
### Solder pad recommendation



### Stencil design recommendation



### Dimensions



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General tolerances  
DIN ISO 2768-mH

Projection mode



|          |          |                 |
|----------|----------|-----------------|
| Revision | Date     | All measures in |
| C        | 03.07.25 | mm              |

Part no.

**K97876**

Description

**PowerOne SMD Bolt**



REACH  
COMPLIANT



RoHS  
COMPLIANT