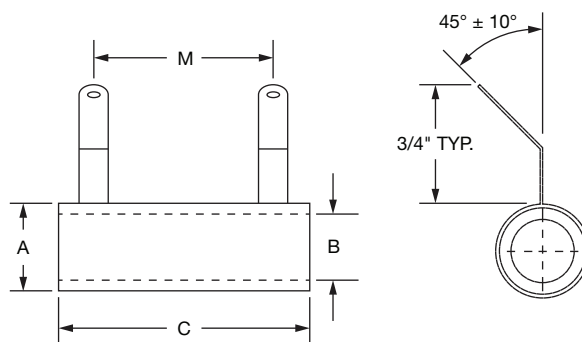


## Aluminum Electrolytic Capacitors - Accessories (Vishay BCcomponents)

### RESISTORS FOR TERMINAL MOUNTING

Resistors are used to balance the voltage over a series connection of screw terminal capacitors or to ensure discharge to a safe voltage after power down. Vishay provides the [CMS series of resistors](#), which are suited for direct mounting on the terminals of screw terminal capacitors.

#### DIMENSIONS in inches [millimeters]



| DIAMETER | MODEL                 | CORE DIMENSIONS in inch [mm] |                     |                     |                     | TERMINAL DESIGNATION           |                                |
|----------|-----------------------|------------------------------|---------------------|---------------------|---------------------|--------------------------------|--------------------------------|
|          |                       | A<br>TYPICAL                 | B<br>± 0.031 [0.79] | C<br>± 0.062 [1.59] | M<br>± 0.0118 [0.3] | CM<br>HOLE DIAMETER<br>TYPICAL | CA<br>HOLE DIAMETER<br>TYPICAL |
| Ø 50 mm  | <a href="#">CMS16</a> | 0.562<br>[14.27]             | 0.312<br>[7.92]     | 1.250<br>[31.75]    | 0.875<br>[22.23]    | 0.196<br>[4.98]                | 0.265                          |
| Ø 65 mm  | <a href="#">CMS20</a> | 0.562<br>[14.27]             | 0.312<br>[7.92]     | 1.75<br>[44.45]     | 1.13<br>[28.7]      | 0.196<br>[4.98]                | 0.265<br>[6.73]                |
| Ø 76 mm  | <a href="#">CMS22</a> | 0.562<br>[14.27]             | 0.312<br>[7.92]     | 1.75<br>[44.45]     | 1.254<br>[31.85]    | 0.196<br>[4.98]                | 0.265<br>[6.73]                |
| Ø 90 mm  |                       |                              |                     |                     |                     |                                |                                |

### MOUNTING ACCESSORIES

#### CLAMPS FOR ST TYPES

To facilitate vertical mounting, a series of rigid clamps is available. These are made of zinc plated steel, chromium (III) passivated, or stainless steel (Ø D = 76 mm).

The clamps have either two or three mounting lugs, may be easily slipped over the capacitor and then clamped with a nut and bolt. Five types of clamps are available, one for each case diameter.

They are delivered without nuts or bolts.

**To avoid damaging the insulation sleeve, do not overtighten the clamp screw.**



**RoHS**  
COMPLIANT

### DIMENSIONS in millimeters AND AVAILABLE FORMS

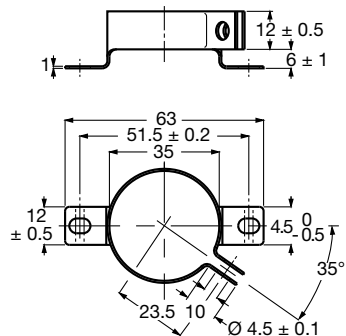


Fig. 1 - Dimensional outline of clamp for case Ø D = 35 mm

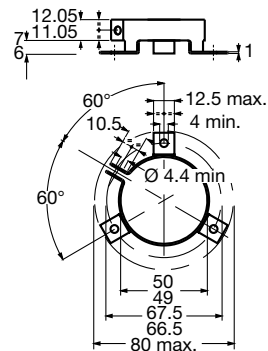


Fig. 2 - Dimensional outline of clamp for case Ø D = 50 mm

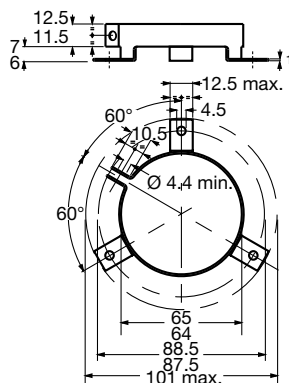


Fig. 3 - Dimensional outline of clamp for case Ø D = 65 mm

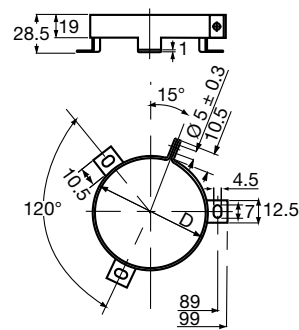


Fig. 4 - Dimensional outline of clamp for case Ø D = 76 mm

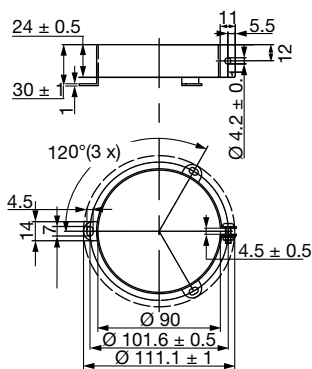


Fig. 5 - Dimensional outline of clamp for case Ø D = 90 mm

Table 1

| MOUNTING CLAMPS FOR SCREW TERMINALS |                |
|-------------------------------------|----------------|
| CASE DIAMETER                       | ORDERING CODE  |
| 35                                  | MAL804324031E3 |
| 50                                  | MAL804324051E3 |
| 65                                  | MAL804324061E3 |
| 76                                  | MAL804323321E3 |
| 90                                  | MAL804324921E3 |

### NUTS AND WASHERS FOR STB-VERSIONS

When mounting with the bolt, which is an integral part of the case, standard metal M8 and M12 nuts and washers may be used; the maximum permissible torque is 4 Nm for M8 nuts and 10 Nm for M12 nuts.

If insulated mounting is required, synthetic nuts and rubber washers are available; for these nuts the maximum permissible torque is 2 Nm (M8) and 4 Nm (M12).

### DIMENSIONS in millimeters AND AVAILABLE FORMS

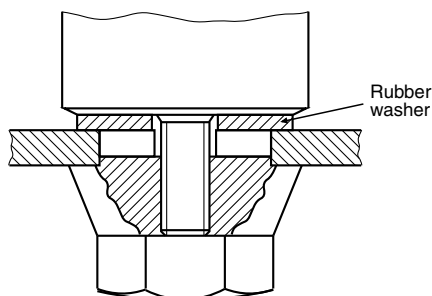


Fig. 6 - Insulated mounting

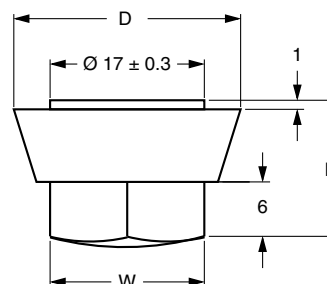


Fig. 7 - Synthetic cap nut; see Table 2 for dimensions D, H and W

Table 2

| SYNTHETIC CAP NUTS |        |        |        |                       |                          |                |
|--------------------|--------|--------|--------|-----------------------|--------------------------|----------------|
| CASE DIAMETER (mm) | THREAD | D (mm) | H (mm) | W <sup>(1)</sup> (mm) | MIN. THREADED DEPTH (mm) | ORDERING CODE  |
| 35                 | M8     | 25     | 15     | 17                    | 11.5                     | MAL804305561E3 |
| ≥ 50               | M12    | 30     | 20     | 19                    | 15.5                     | MAL804305571E3 |

#### Note

<sup>(1)</sup> Dimension W is measured across flats.

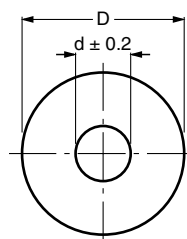


Fig. 8 - Rubber washer; thickness 2 mm

| RUBBER WASHERS |        |                |
|----------------|--------|----------------|
| D (mm)         | d (mm) | ORDERING CODE  |
| 34             | 8.4    | MAL804305591E3 |
| 49             | 13.0   | MAL804305531E3 |
| 64             | 13.0   | MAL804305521E3 |
| 74             | 13.0   | MAL804313001E3 |
| 88             | 13.0   | MAL804329961E3 |

### CLAMPS FOR SL-VERSIONS, $\varnothing D = 25 \text{ mm}$ , $30 \text{ mm}$ , $35 \text{ mm}$ , and $40 \text{ mm}$

To facilitate vertical mounting, a series of rigid clamps made of zinc plated steel is available. These are made of zinc plated steel, chromium (III) passivated.

The clamps have two mounting lugs, may be easily slipped over the capacitor and then clamped with a nut and bolt. Four types of clamps are available, one for each case diameter.

They are delivered without nuts or bolts.

**To avoid damaging the insulation sleeve, do not overtighten the clamp screw.**



**RoHS**  
COMPLIANT

### DIMENSIONS in millimeters

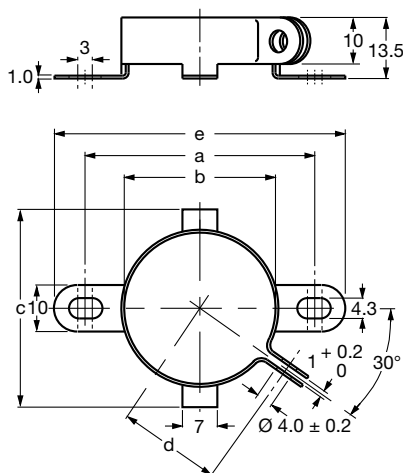


Fig. 9 - Dimensional outline of clamp for case  $\varnothing D = 25 \text{ mm}$ ,  $30 \text{ mm}$  and  $40 \text{ mm}$

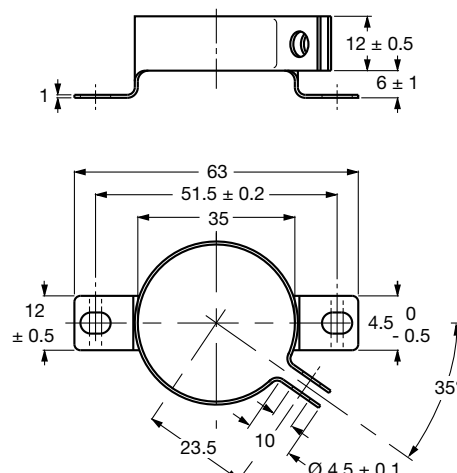


Fig. 10 - Dimensional outline of clamp for case  $\varnothing D = 35 \text{ mm}$

Table 3

| MOUNTING CLAMPS FOR SOLDER LUGS |            |        |        |        |        |                |
|---------------------------------|------------|--------|--------|--------|--------|----------------|
| CASE DIAMETER (mm)              | a (mm)     | b (mm) | c (mm) | d (mm) | e (mm) | ORDERING CODE  |
| 25                              | 41.5 ± 0.2 | 25     | 35     | 18.5   | 56     | MAL804324011E3 |
| 30                              | 46.5 ± 0.2 | 30     | 40     | 21     | 61     | MAL804324021E3 |
| 35                              | 51.5 ± 0.2 | 35     | -      | 23.5   | 63     | MAL804324031E3 |
| 40                              | 56.5 ± 0.2 | 40     | 50     | 26     | 71     | MAL804324041E3 |



**Стандарт  
Электрон  
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

**Наши контакты:**

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331