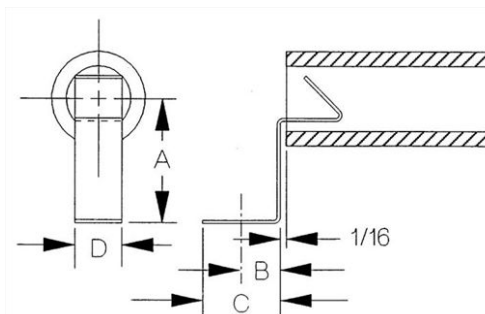


## Hardware Kits and Specifications for RBEF, RBSF, RBEA, RBSA, RDEF, RDSF, RDEA, RDSA Resistors

- RBEF, RBSF datasheet: [www.vishay.com/doc?31807](http://www.vishay.com/doc?31807)
- RBEA, RBSA datasheet: [www.vishay.com/doc?31809](http://www.vishay.com/doc?31809)
- RDEF, RDSF datasheet: [www.vishay.com/doc?31829](http://www.vishay.com/doc?31829)
- RDEA, RDSA datasheet: [www.vishay.com/doc?31830](http://www.vishay.com/doc?31830)

### PUSH-IN CLIP DIMENSIONS in inches (millimeters)



Clips can be ordered as an assembly with resistors by adding special character CP. Example: RBEF030025R00KFBCP

| GLOBAL MODEL       | HISTORICAL MODEL | COMPATIBLE WITH RESISTORS (GLOBAL MODEL OF RESISTOR)                                                                                                                     | A                | B                | C                | D               | HOLE                           |
|--------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------|-----------------|--------------------------------|
| HDWB08012012000B00 | 3012-012         | RBxx0040, RBxx0090, RDxx0015, RDxx0020, RDxx0025, RDxx0050, RDxx0075                                                                                                     | 0.625<br>(15.88) | 0.3125<br>(7.94) | 0.469<br>(11.91) | 0.25<br>(6.35)  | 0.17<br>(4.32)                 |
| HDWB08012018000B00 | 3012-018         | RBxx0050, RBxx0075, RBxx0100, RBxx0110, RBxx0120, RBxx0135, RBxx0160, RBxx0180, RDxx0030, RDxx0045, RDxx0051, RDxx0061, RDxx0065, RDxx0076, RDxx0090, RDxx0100           | 0.938<br>(23.81) | 0.344<br>(8.73)  | 0.625<br>(15.88) | 0.375<br>(9.53) | 0.196 x 0.359<br>(4.98 x 9.12) |
| HDWB08012022000B00 | 3012-022         | RBxx0150, RBxx0175, RBxx0220, RBxx0225, RBxx0240, RBxx0300, RBxx0375, RBxx0420, RDxx0080, RDxx0095, RDxx0120, RDxx0130, RDxx0160, RDxx0175, RDxx0225, RDxx0235, RDxx0240 | 1.375<br>(34.93) | 0.406<br>(10.32) | 0.688<br>(17.46) | 0.50<br>(12.7)  | 0.201 x 0.25<br>(5.11 x 6.35)  |

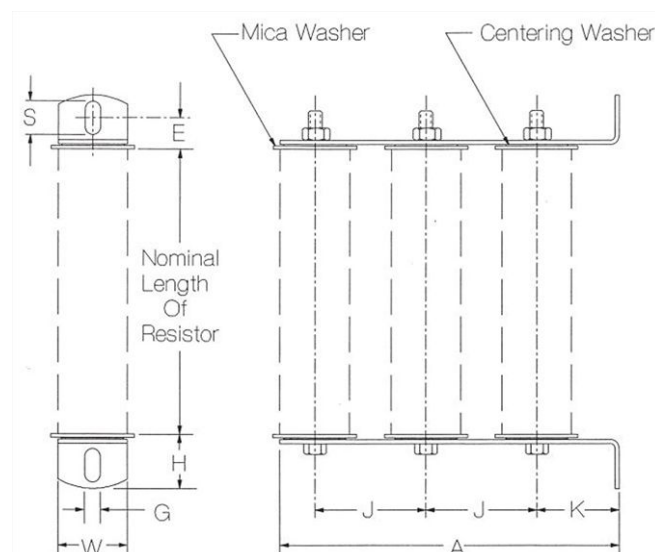
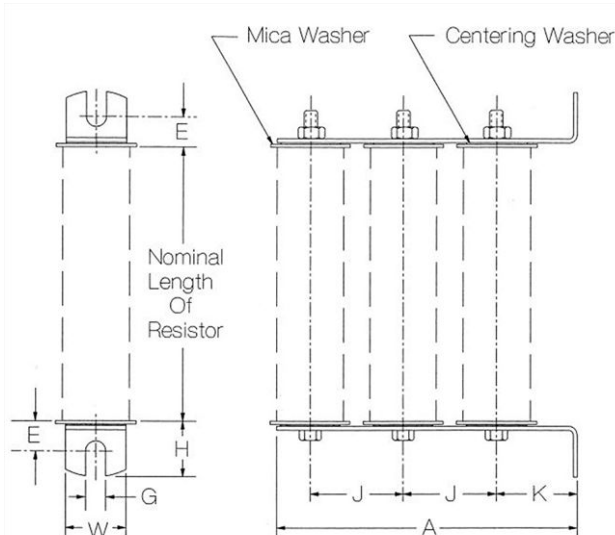
#### Note

- Global model part number represents an individual clip.

### MATERIAL SPECIFICATIONS

|        |                                  |
|--------|----------------------------------|
| Clip   | Cold rolled steel                |
| Finish | Zinc (hex free, trivalent clear) |

**MOUNTING BRACKET DIMENSIONS** in inches (millimeters)

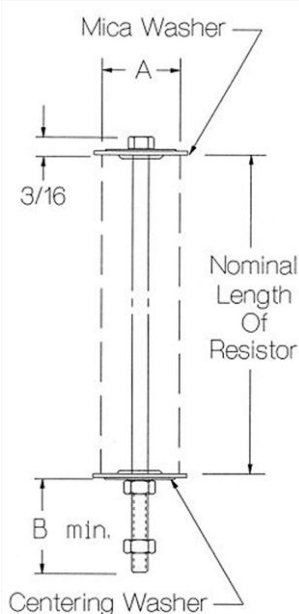
**Closed Slot Bracket Type**

**End-Slot End-Slot Bracket Type <sup>(1)</sup>**


Mounting brackets are ordered as a resistor assembly by adding bracket type to part number. Example: RBEF030025R00KFB2A  
Additional sizes and special mounting configurations available upon request.

| RESISTOR<br>CORE<br>DIAMETER                              | COMPATIBLE WITH RESISTORS<br>(GLOBAL MODEL OF RESISTOR)                                                                                                                                 | BRACKET<br>TYPE   | W               | H                   | A                    | K               | G                     | J                 | E                 | S                   |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------|---------------------|----------------------|-----------------|-----------------------|-------------------|-------------------|---------------------|
| 0.3125 (7.9375),<br>0.4375 (11.1125),<br>0.5625 (14.2875) | RBxx0040, RBxx0090, RDxx0015,<br>RDxx0008, RDxx0012, RDxx0020,<br>RDxx0025, RDxx0050, RDxx0075                                                                                          | 1A                | 0.5<br>(12.7)   | 0.8125<br>(20.6375) | 1.375<br>(34.925)    | 1<br>(25.4)     | 0.21875<br>(5.55625)  | n/a               | 0.5<br>(12.7)     | 0.4375<br>(11.1125) |
|                                                           |                                                                                                                                                                                         | 2A                | 0.5<br>(12.7)   | 0.8125<br>(20.6375) | 2.375<br>(60.325)    | 1<br>(25.4)     | 0.21875<br>(5.55625)  | 1<br>(25.4)       | 0.5<br>(12.7)     | 0.4375<br>(11.1125) |
| 0.75 (19.05)                                              | RBxx0050, RBxx0075, RBxx0100,<br>RBxx0110, RBxx0120, RBxx0135,<br>RBxx0160, RBxx0180, RDxx0030,<br>RDxx0045, RDxx0051, RDxx0061,<br>RDxx0065, RDxx0076, RDxx0090,<br>RDxx0100           | 1A                | 0.75<br>(19.05) | 0.8125<br>(20.6375) | 1.625<br>(41.275)    | 1.25<br>(31.75) | 0.21875<br>(5.55625)  | n/a               | 0.5<br>(12.7)     | 0.4375<br>(11.1125) |
|                                                           |                                                                                                                                                                                         | 2A                | 0.75<br>(19.05) | 0.8125<br>(20.6375) | 3.25<br>(82.55)      | 1.25<br>(31.75) | 0.21875<br>(5.55625)  | 1.625<br>(41.275) | 0.5<br>(12.7)     | 0.4375<br>(11.1125) |
|                                                           |                                                                                                                                                                                         | 3A                | 0.75<br>(19.05) | 0.8125<br>(20.6375) | 4.875<br>(123.825)   | 1.25<br>(31.75) | 0.21875<br>(5.55625)  | 1.625<br>(41.275) | 0.5<br>(12.7)     | 0.4375<br>(11.1125) |
|                                                           |                                                                                                                                                                                         | 4A                | 0.75<br>(19.05) | 0.8125<br>(20.6375) | 6.5<br>(165.1)       | 1.25<br>(31.75) | 0.21875<br>(5.55625)  | 1.625<br>(41.275) | 0.5<br>(12.7)     | 0.4375<br>(11.1125) |
| 1.125 (28.575)                                            | RBxx0150, RBxx0175, RBxx0220,<br>RBxx0225, RBxx0240, RBxx0300,<br>RBxx0375, RBxx0420, RDxx0080,<br>RDxx0095, RDxx0120, RDxx0130,<br>RDxx0160, RDxx0175, RDxx0225,<br>RDxx0235, RDxx0240 | 1A                | 1.25<br>(31.75) | 0.9375<br>(23.8125) | 2.0625<br>(52.3875)  | 1.5<br>(38.1)   | 0.28125<br>(7.14375)  | n/a               | 0.5<br>(12.7)     | 0.5625<br>(14.2875) |
|                                                           |                                                                                                                                                                                         | 2A                | 1.25<br>(31.75) | 0.9375<br>(23.8125) | 4.0625<br>(103.1875) | 1.5<br>(38.1)   | 0.28125<br>(7.14375)  | 2<br>(50.8)       | 0.5<br>(12.7)     | 0.5625<br>(14.2875) |
|                                                           |                                                                                                                                                                                         | 3A                | 1.25<br>(31.75) | 0.9375<br>(23.8125) | 6.0625<br>(153.9875) | 1.5<br>(38.1)   | 0.28125<br>(7.14375)  | 2<br>(50.8)       | 0.5<br>(12.7)     | 0.5625<br>(14.2875) |
|                                                           |                                                                                                                                                                                         | 4A                | 1.25<br>(31.75) | 0.9375<br>(23.8125) | 8.0625<br>(204.7875) | 1.5<br>(38.1)   | 0.28125<br>(7.14375)  | 2<br>(50.8)       | 0.5<br>(12.7)     | 0.5625<br>(14.2875) |
| 1.625 (28.575)                                            | RBxx0400, RBxx0500, RBxx0550,<br>RDxx0220, RDxx0275, RDxx0300                                                                                                                           | 1A                | 1.25<br>(31.75) | 1<br>(25.4)         | 2.0625<br>(52.3875)  | 1.5<br>(38.1)   | 0.28125<br>(7.14375)  | n/a               | 0.5<br>(12.7)     | 0.5625<br>(14.2875) |
|                                                           |                                                                                                                                                                                         | 2A                | 1.25<br>(31.75) | 1<br>(25.4)         | 5.375<br>(136.525)   | 1.5<br>(38.1)   | 0.28125<br>(7.14375)  | 3<br>(76.2)       | 0.5<br>(12.7)     | 0.5625<br>(14.2875) |
| 2.5 (63.5),<br>3.25 (82.55)                               | RBxx0750, RBxx1000, RBxx1500,<br>RBxx2000, RDxx0750, RDxx1000,<br>RDxx1150                                                                                                              | 1A <sup>(1)</sup> | 2.5<br>(63.5)   | 1.5<br>(38.1)       | 4.25<br>(107.95)     | 3<br>(76.2)     | 0.40625<br>(10.31875) | n/a               | 0.875<br>(22.225) |                     |
|                                                           |                                                                                                                                                                                         | 2A <sup>(1)</sup> | 2.5<br>(63.5)   | 1.5<br>(38.1)       | 9<br>(228.6)         | 3<br>(76.2)     | <sup>(2)</sup>        | 4.25<br>(107.95)  | 0.75<br>(19.05)   |                     |

**Note**

<sup>(1)</sup> End-Slot End-Slot style bracket type only available for these sizes.

**VERTICAL THRU-BOLT DIMENSIONS** in inches (millimeters)


Vertical thru-bolts can be ordered as an assembly with resistors by adding special character VT. Example: RBEF030025R00KFBVT  
Additional sizes and special mounting configurations available upon request.

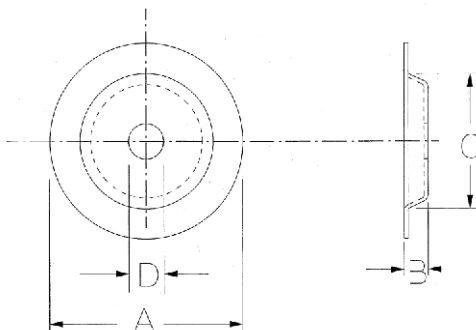
| GLOBAL MODEL<br>(KIT PACK)        | HISTORICAL<br>MODEL<br>(KIT PACK) | COMPATIBLE WITH RESISTORS<br>(GLOBAL MODEL OF RESISTOR) | A                                           | B                | THREAD         |
|-----------------------------------|-----------------------------------|---------------------------------------------------------|---------------------------------------------|------------------|----------------|
| HDWK09310501600B00                | 31-05-016-00STD                   | RDxx0008                                                | 0.5 (12.7)                                  | 0.375 (9.525)    | 8-32 x 1.75    |
| HDWK09310502800B00                | 31-05-028-00STD                   | RDxx0012                                                | 0.5 (12.7)                                  | 0.375 (9.525)    | 8-32 x 2.5     |
| HDWK09310703200B00                | 31-07-032-00STD                   | RDxx0020                                                | 0.75 (19.05)                                | 0.625 (15.875)   | 8-32 x 2.75    |
| HDWK09310903200B00                | 31-09-032-00STD                   | RDxx0025, RBxx0040                                      | 0.75 (19.05)                                | 0.625 (15.875)   | 10-32 x 2.75   |
| HDWK09310906400B00                | 31-09-064-00STD                   | RBxx0090, RDxx0050                                      | 0.75 (19.05)                                | 0.4375 (11.1125) | 10-32 x 4.5    |
| HDWK09311810400B00                | 31-18-104-00STD                   | RBxx0180, RDxx0100                                      | 1 (25.4)                                    | 0.625 (15.875)   | 10-32 x 7.25   |
| HDWK09311813600B00 <sup>(1)</sup> | 31-18-136-00STD                   | RDxx0175, RBxx0300                                      | 1.5 (38.1)                                  | 0.5 (12.7)       | 1/4-20 x 9.25  |
| HDWK09311816800B00 <sup>(1)</sup> | 31-18-168-00STD                   | RBxx0375, RDxx0225                                      | 1.5 (38.1)                                  | 0.5 (12.7)       | 1/4-20 x 11.25 |
| HDWK09312616800B00 <sup>(1)</sup> | 31-26-168-00STD                   | RDxx0275, RBxx0500                                      | 2.25 (57.15)                                | 0.6875 (17.4625) | 1/4-20 x 11.25 |
| HDWK09314024000B00 <sup>(1)</sup> | 31-40-240-00STD                   | RBxx1000, RDxx0750                                      | 3 (76.2)                                    | 1 (25.4)         | 1/4-20 x 16.5  |
| HDWK09315232000B00 <sup>(1)</sup> | 31-52-320-00STD                   | RDxx1150, RBxx2000                                      | Special: Contact Vishay Milwaukee marketing |                  |                |

**Note**

<sup>(1)</sup> Not recommended for high shock or high vibration applications.

**MATERIAL SPECIFICATIONS**

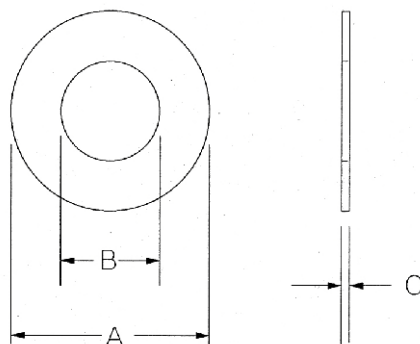
|                                              |                                  |
|----------------------------------------------|----------------------------------|
| Centering washer, nut, threaded bolt         | Cold rolled steel                |
| Mica washer                                  | Mica                             |
| Finish: Centering washer, nut, threaded bolt | Zinc (hex free, trivalent clear) |

**CENTERING WASHER DIMENSIONS** in inches (millimeters)


| GLOBAL MODEL       | HISTORICAL MODEL | COMPATIBLE WITH RESISTORS (GLOBAL MODEL OF RESISTOR)                                                                                                                     | A                | B               | C                | D                 |
|--------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|------------------|-------------------|
| HDWB05011117004B00 | 3011-117-004     | RDxx0008, RDxx0012                                                                                                                                                       | 0.44<br>(11.176) | 0.05<br>(1.27)  | n/a              | 0.188<br>(4.7752) |
| HDWB05012700011B00 | 3012-700-011     | RBxx0040, RBxx0090, RDxx0015, RDxx0020, RDxx0025, RDxx0050, RDxx0075                                                                                                     | 0.56<br>(14.224) | 0.10<br>(2.54)  | 0.30<br>(7.62)   | 0.200<br>(5.08)   |
| HDWB05012700004B00 | 3012-700-004     | RBxx0050, RBxx0075, RBxx0100, RBxx0110, RBxx0120, RBxx0135, RBxx0160, RBxx0180, RDxx0030, RDxx0045, RDxx0051, RDxx0061, RDxx0065, RDxx0076, RDxx0090, RDxx0100           | 0.80<br>(20.32)  | 0.13<br>(3.302) | 0.45<br>(11.43)  | 0.225<br>(5.715)  |
| HDWB05012700007B00 | 3012-700-007     | RBxx0150, RBxx0175, RBxx0220, RBxx0225, RBxx0240, RBxx0300, RBxx0375, RBxx0420, RDxx0080, RDxx0095, RDxx0120, RDxx0130, RDxx0160, RDxx0175, RDxx0225, RDxx0235, RDxx0240 | 1.10<br>(27.94)  | 0.16<br>(4.064) | 0.73<br>(18.542) | 0.281<br>(7.1374) |
| HDWB05012700008B00 | 3012-700-008     | RBxx0400, RBxx0500, RBxx0550, RDxx0220, RDxx0275, RDxx0300                                                                                                               | 1.63<br>(41.402) | 0.20<br>(5.08)  | 1.11<br>(28.194) | 0.281<br>(7.1374) |
| HDWB05012700009B00 | 3012-700-009     | RBxx0750, RBxx1000, RBxx1500, RBxx2000, RDxx0750, RDxx1000, RDxx1150                                                                                                     | 2.50<br>(63.5)   | 0.23<br>(5.842) | 1.72<br>(43.688) | 0.281<br>(7.1374) |

**MATERIAL SPECIFICATIONS**

|        |                                  |
|--------|----------------------------------|
| Washer | Cold rolled steel                |
| Finish | Zinc (hex free, trivalent clear) |

**MICA WASHER DIMENSIONS** in inches (millimeters)


| GLOBAL MODEL       | HISTORICAL MODEL | COMPATIBLE WITH RESISTORS (GLOBAL MODEL OF RESISTOR)                                                                                                                     | A               | B                  | C               |
|--------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|-----------------|
| HDWB04012800001B00 | 3012-800-001     | RDxx0008, RDxx0012                                                                                                                                                       | 0.5<br>(12.7)   | 0.1875<br>(4.7625) | 0.02<br>(0.508) |
| HDWB04012800002B00 | 3012-800-002     | RBxx0040, RBxx0090, RDxx0015, RDxx0020, RDxx0025, RDxx0050, RDxx0075                                                                                                     | 0.75<br>(19.05) | 0.3125<br>(7.9375) | 0.02<br>(0.508) |
| HDWB04012800003B00 | 3012-800-003     | RBxx0050, RBxx0075, RBxx0100, RBxx0110, RBxx0120, RBxx0135, RBxx0160, RBxx0180, RDxx0030, RDxx0045, RDxx0051, RDxx0061, RDxx0065, RDxx0076, RDxx0090, RDxx0100           | 1<br>(25.4)     | 0.5<br>(12.7)      | 0.03<br>(0.762) |
| HDWB04012800006B00 | 3012-800-006     | RBxx0150, RBxx0175, RBxx0220, RBxx0225, RBxx0240, RBxx0300, RBxx0375, RBxx0420, RDxx0080, RDxx0095, RDxx0120, RDxx0130, RDxx0160, RDxx0175, RDxx0225, RDxx0235, RDxx0240 | 1.5<br>(38.1)   | 0.75<br>(19.05)    | 0.03<br>(0.762) |
| HDWB04012800008B00 | 3012-800-008     | RBxx0400, RBxx0500, RBxx0550, RDxx0220, RDxx0275, RDxx0300                                                                                                               | 2.25<br>(57.15) | 1.125<br>(28.575)  | 0.06<br>(1.524) |
| HDWB04012800010B00 | 3012-800-010     | RBxx0750, RBxx1000, RBxx1500, RBxx2000, RDxx0750, RDxx1000, RDxx1150                                                                                                     | 3<br>(76.2)     | 1.75<br>(44.45)    | 0.06<br>(1.524) |

**MATERIAL SPECIFICATIONS**

|        |      |
|--------|------|
| Washer | Mica |
|--------|------|

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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