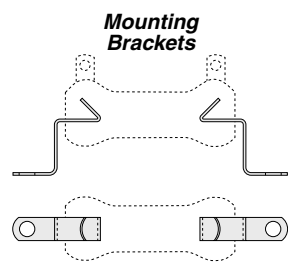
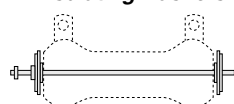


# Resistor Mounting Hardware

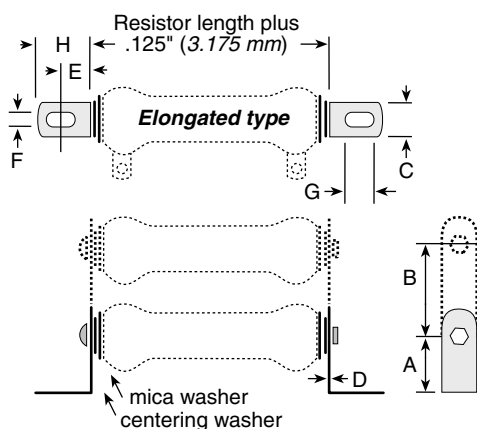
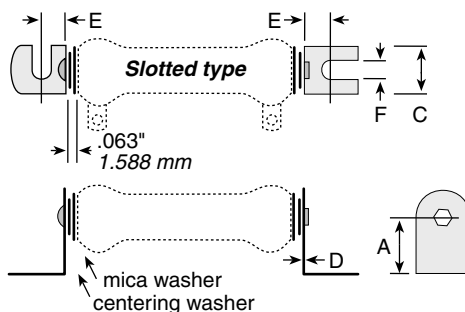
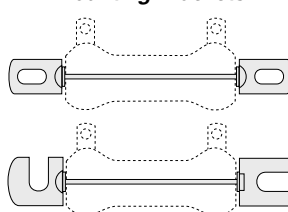
## For 200, 210, and 270 Series Resistors



Thru-bolts with Centering and Insulating Washers



Thru-bolts and Mounting Brackets



## THRU-BOLTS AND MOUNTING BRACKETS

Sturdy plated steel brackets, along with thru-bolts, centering washers and insulating washers (included), allow for secure mounting of **210** type and **270** type resistors. Mounting brackets are available in either slotted (one with end-slot/one with side-slot) or elongated styles.

| Type      | A      | B  | C      | D      | Dimensions | F      | G    | H    |
|-----------|--------|----|--------|--------|------------|--------|------|------|
| Slotted   |        |    |        |        | E          |        |      |      |
| 6101—     | 0.781" | —  | 0.75"  | 0.031" | 0.438"     | 0.25"  | —    | —    |
| 6104—     | 0.781" | —  | 0.75"  | 0.031" | 0.438"     | 0.25"  | —    | —    |
| 6110—     | 1"     | —  | 1.125" | 0.063" | 0.813"     | 0.313" | —    | —    |
| Elongated |        |    |        |        |            |        |      |      |
| 6120—     | 1"     | —  | 0.5"   | 0.031" | 0.422"     | 0.219" | .438 | .750 |
| 6126—     | 1.5"   | —  | 1.25"  | 0.063" | 0.438"     | 0.281" | .563 | .875 |
| 6127—     | 1.5"   | 2" | 1.25"  | 0.063" | 0.438"     | 0.281" | .563 | .875 |
| 6128—     | 1.5"   | 2" | 1.25"  | 0.063" | 0.438"     | 0.281" | .563 | .875 |
| 6129—     | 1.5"   | 2" | 1.25"  | 0.063" | 0.438"     | 0.281" | .563 | .875 |

| Part No.    | Slotted | Elongated   | No. of resistors per Bkt. | Resistor Size | Resistor Type |
|-------------|---------|-------------|---------------------------|---------------|---------------|
| —           | ✓       | 6120-D-1.75 | 1                         | 12W           | 210/270       |
| ✓ 6101-2    | ✓       | 6120-K-2    | 1                         | 25W           | 210/270       |
| ✦ 6101-4    | ✓       | 6120-K-4    | 1                         | 50W           | 210/270       |
| ✓ 6101-6    | —       | —           | 1                         | 75W           | 210           |
| ✦ 6104-6.5  | —       | —           | 1                         | 100W          | 210/270       |
| ✦ 6110-8.5  | ✦       | 6126-P-8.5  | 1                         | 175W          | 210/270       |
| —           | ✦       | 6127-P-8.5  | 2                         | 175W          | 210/270       |
| —           | ✦       | 6128-P-8.5  | 3                         | 175W          | 210/270       |
| —           | ✓       | 6129-P-8.5  | 4                         | 175W          | 210/270       |
| ✓ 6110-10.5 | —       | —           | 1                         | 225W          | 210/270       |

- ✦ = Most popular Standard values
- ✓ = Standard values
- ✦ = Non-Standard values subject to minimum handling charge per item

## MOUNTING BRACKETS

Brackets fit inside cores of **200**, **210** and **270** type resistors and remain in place by spring tension. Standard brackets are plated steel and have no suffix to part number. Spring steel brackets are indicated with an "S" suffix following part number.

| Standard | Part number | Spring steel | Mtg screw size (max.) | For resistors (power ratings) |
|----------|-------------|--------------|-----------------------|-------------------------------|
| ✦ 5      | —           | ✦ 5S         | 6                     | 8, 12 watt                    |
| ✓ 7      | —           | ✦ 7S         | 6                     | 20 watt                       |
| ✦ 9      | —           | ✦ 9S         | 6                     | 25, 50, 75 watt               |
| ✦ 12     | —           | ✦ 12S        | 10                    | 100 watt                      |
| ✦ 18     | —           | ✦ 18S        | 10                    | 175, 225 watt                 |

## THRU BOLTS

Thru-Bolts, with centering mica insulating washers, permit perpendicular mounting of **200**, **210** and **270** type resistors to panels up to 0.25" thick.

| Part No. | Bolt size Length | No.   | For resistors (power rating) |
|----------|------------------|-------|------------------------------|
| ✦ 7PA5   | 1.75"            | 8     | 8 watt                       |
| ✦ 7PA10  | 2.5"             | 8     | 12 watt                      |
| ✦ 7PA20  | 2.75"            | 8     | 20 watt                      |
| ✦ 7PA25  | 2.75"            | 10    | 25 watt                      |
| ✦ 7PA50  | 4.75"            | 10    | 50 watt                      |
| ✦ 7PA75  | 6.75"            | 10    | 75 watt                      |
| ✦ 7PA100 | 7.313"           | 10    | 100 watt                     |
| ✦ 7PA160 | 9.5"             | 0.25" | 175 watt                     |
| ✦ 7PA200 | 11.5"            | 0.25" | 225 watt                     |

## WASHERS

### Metal Centering

| Part No.* | Diameter Outer | Diameter Inner | For max. screw size | For resistors (power ratings) |
|-----------|----------------|----------------|---------------------|-------------------------------|
| ✦ 6000    | 0.563"         | 0.190          | #10                 | 25, 50, 75 watt               |
| ✦ 6001    | 0.75"          | 0.190          | #10                 | 100 watt                      |
| ✦ 6003    | 1.125"         | 0.250          | 0.25"               | 175, 225 watt                 |

### Mica insulating

| Part No.* | Diameter Outer | Diameter Inner | For resistors (power ratings) |
|-----------|----------------|----------------|-------------------------------|
| ✦ 6010    | 0.75"          | 0.063"         | 25, 50, 75 watt               |
| ✦ 6011†   | 0.75"          | 0.313"         | 25, 50, 75 watt               |
| ✦ 6012    | 1"             | 0.063"         | 100 watt                      |
| ✓ 6013†   | 1"             | 0.5"           | 100 watt                      |
| ✦ 6014    | 1.25"          | 0.063"         | core 1" O.D. x 0.625" I.D.    |
| ✦ 6015†   | 1.25"          | 0.625"         | core 1" O.D. x 0.625" I.D.    |
| ✓ 6016    | 1.5"           | 0.063"         | 175, 225 watt                 |
| ✦ 6017†   | 1.5"           | 0.75"          | 175, 225 watt                 |

† Use with centering washers.

## ADJUSTABLE LUGS FOR 210 SERIES

One standard screwdriver type adjustable lug is supplied with each unit.

Two types of lugs can be ordered separately: standard or with a silver contact button; both types are available with a screwdriver type lug.

| Resistor core diam. (in. / mm) | Standard part numbers | Silver |
|--------------------------------|-----------------------|--------|
| 0.313 / 7.94                   | ✦ 2115                | ✦ 2116 |
| 0.563 / 14.3                   | ✦ 2121                | ✓ 2123 |
| 0.750 / 19.05                  | ✦ 2125                | ✦ 2127 |
| 1.125 / 28.58                  | ✓ 2133                | ✦ 2135 |

### Double thumb screw Lug

(Part Number 2160) The double thumb screw adjustable lug permits easier adjustment and less chance of damage to resistance wire. Available for 1.125" cores only.

# Resistor Mounting Hardware

For 210 Type And 270 Type Resistors

### • Mounting Brackets

Brackets fit inside cores of 210 Type and 270 Type Resistors and remain in place by spring tension. Standard brackets are plated steel and have no suffix to part number. Spring steel brackets are indicated with an "S" suffix following part number.



| Part No. |              | Mtg. Screw Size (Max.) | For Resistors (Power Ratings) |
|----------|--------------|------------------------|-------------------------------|
| Std.     | Spring Steel |                        |                               |
| 5        | 5S           | 6                      | 12 Watt                       |
| 9        | 9S           | 6                      | 25; 50; 75 Watt               |
| 12       | 12S          | 10                     | 100 Watt                      |
| 18       | 18S          | 10                     | 175; 225 Watt                 |

### • Thru-Bolts

Thru-Bolts, with centering and Mica Insulating Washers, permit perpendicular mounting of 210 Type and 270 Type Resistors to panels up to 1/4" thick.

| Part No. | Bolt Size  |      | For Resistors (Power Ratings) |
|----------|------------|------|-------------------------------|
|          | Length     | No.  |                               |
| 7PA10    | 2 1/2 in.  | 8    | 12 Watt                       |
| 7PA25    | 2 3/4 in.  | 10   | 25 Watt                       |
| 7PA50    | 4 3/4 in.  | 10   | 50 Watt                       |
| 7PA75    | 6 3/4 in.  | 10   | 75 Watt                       |
| 7PA100   | 7 5/8 in.  | 10   | 100 Watt                      |
| 7PA160   | 9 1/2 in.  | 1/4" | 175 Watt                      |
| 7PA200   | 11 1/2 in. | 1/4" | 225 Watt                      |

### • Washers Only

Metal Centering

| Part No. | Diameter (in.) |       | For Max. Screw Size | For Resistors (Power Ratings) |
|----------|----------------|-------|---------------------|-------------------------------|
|          | Outer          | Inner |                     |                               |
| 6000     | 9/16           | .190  | #10                 | 25; 50; 75 Watt               |
| 6001     | 3/4            | .190  | #10                 | 100 Watt                      |
| 6003     | 1 1/8          | .250  | 1/4"                | 175; 225 Watt                 |

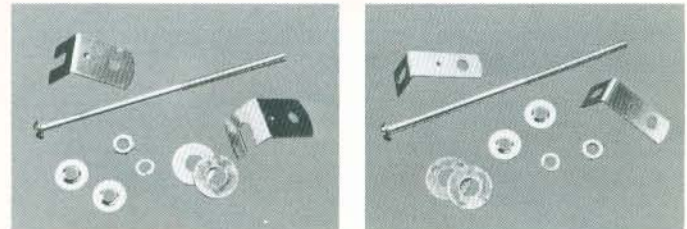
Mica Insulating

| Part No. | Diameter (in.) |       | For Resistors (Power Ratings) |
|----------|----------------|-------|-------------------------------|
|          | Outer          | Inner |                               |
| 6010     | 3/4            | 3/16  | 25; 50; 75 Watt               |
| 6011*    | 3/4            | 5/16  | 25; 50; 75 Watt               |
| 6012     | 1              | 3/16  | 100 Watt                      |
| 6013*    | 1              | 1/2   | 100 Watt                      |
| (6014)   | 1 1/4          | 3/16  | Core 1" O.D. x 5/8" I.D.      |
| 6015*    | 1 1/4          | 5/8   | Core 1" O.D. x 5/8" I.D.      |
| 6016     | 1 1/2          | 3/16  | 175; 225 Watt                 |
| 6017*    | 1 1/2          | 3/4   | 175; 225 Watt                 |

\*Use with centering washers

### • Thru-Bolts and Mounting Brackets

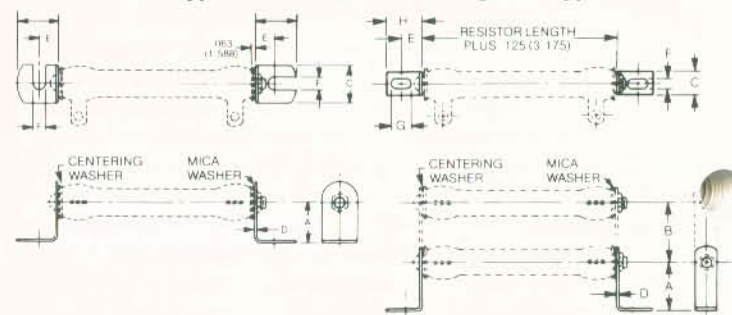
Sturdy plated steel brackets, along with thru-bolts, centering washers and insulating washers (included), allow for secure mounting of 210 Type and 270 Type Resistors. Mounting brackets are available in either slotted (one with end-slot/one with side-slot) or elongated styles.



### • Dimensions

Slotted Type

Elongated Type



| Type      | Dimensions |   |       |      |        |      |
|-----------|------------|---|-------|------|--------|------|
| Slotted   | A          | B | C     | D    | E      | F    |
| 6101-     | 2 5/32     | — | 3/4   | 1/32 | 7/16   | 1/4  |
| 6104-     | 2 5/32     | — | 3/4   | 1/32 | 7/16   | 1/4  |
| 6110-     | 1          | — | 1 1/8 | 1/16 | 13/16  | 5/16 |
| Elongated | A          | B | C     | D    | E      | F    |
| 6120-     | 1          | — | 1/2   | 1/32 | 2 7/64 | 7/32 |
| 6126-     | 1 1/2      | — | 1 1/4 | 1/16 | 7/16   | 9/32 |
| 6127-     | 1 1/2      | 2 | 1 1/4 | 1/16 | 7/16   | 9/32 |
| 6128-     | 1 1/2      | 2 | 1 1/4 | 1/16 | 7/16   | 9/32 |
| 6129-     | 1 1/2      | 2 | 1 1/4 | 1/16 | 7/16   | 9/32 |

| Part No.    |              | Number of Resistors Per BKT Assm. | Resistor Size | Resistor Type |
|-------------|--------------|-----------------------------------|---------------|---------------|
| Slotted     | Elongated    |                                   |               |               |
| —           | 6120-D-1 3/4 | 1                                 | 12W           | 210/270       |
| 6101-2      | 6120-K-2     | 1                                 | 25W           | 210/270       |
| 6101-4      | 6120-K-4     | 1                                 | 50W           | 210/270       |
| 6101-6      | —            | 1                                 | 75W           | 210           |
| 6104-6 1/2  | —            | 1                                 | 100W          | 210/270       |
| 6110-8 1/2  | 6126-P-8 1/2 | 1                                 | 175W          | 210/270       |
| —           | 6127-P-8 1/2 | 2                                 | 175W          | 210/270       |
| —           | 6128-P-8 1/2 | 3                                 | 175W          | 210/270       |
| —           | 6129-P-8 1/2 | 4                                 | 175W          | 210/270       |
| 6110-10 1/2 | —            | 1                                 | 225W          | 210/270       |