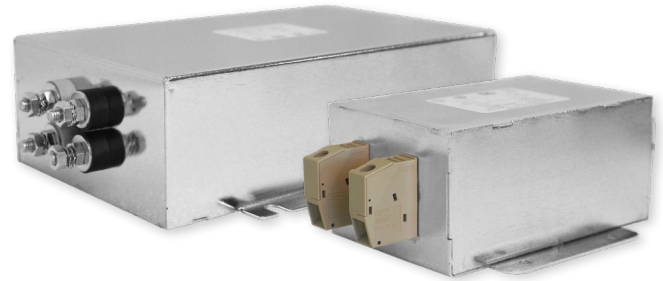


# RP600C

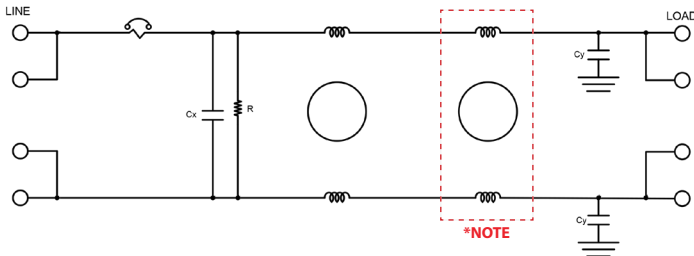
## HIGH PERFORMANCE **DC** POWER LINE FILTERS WITH CIRCUIT BREAKER

### FEATURES

- » Rated currents include **15A, 30A, 60A, 80A, 100A, and 125A**
- » Dual Stage Line Filter
- » Available with **W** (wires), **S** (studs) and **C** (connectors) option
- » Agency Approved to UL1283 / 60929, CSA C22.2, EN 60939
- » Y-cap value can be adjusted to fit specification



### ELECTRICAL SCHEMATIC



### SPECIFICATIONS

|                               |                                             |
|-------------------------------|---------------------------------------------|
| <b>MAX. OPERATING VOLTAGE</b> | 100VDC +10%                                 |
| <b>AMBIENT TEMPERATURE</b>    | -25 TO 55°C                                 |
| <b>CLIMATIC CATEGORY</b>      | 25/100/21                                   |
| <b>TERMINALS (-T)</b>         | WIRE LEADS                                  |
|                               | STUDS 15-60A (M5)                           |
|                               | 80-125A (M6)                                |
|                               | CONNECTORS                                  |
| <b>*NOTE</b>                  | <b>INDUCTOR REMOVED FOR 100 A AND 125 A</b> |

|                              |                       |
|------------------------------|-----------------------|
| <b>TYP. WEIGHT, LBS (KG)</b> | 1.3 - 7.7 (0.6 - 3.5) |
|------------------------------|-----------------------|

### HIPOT RATINGS

|                       |          |
|-----------------------|----------|
| <b>LINE TO GROUND</b> | 2700 VDC |
|-----------------------|----------|

### TYPICAL APPLICATIONS

- ✓ Telecom systems
- ✓ Rack mounted
- ✓ Enclosures
- ✓ MIL-Aero
- ✓ Mobile System

### HOW TO ORDER

RP600C-X-Y-Z-B

- B= BULKHEAD/F: FLANGE MOUNT
- Z= TERMINAL (-T)
- Y= Y-CAP, NF
- X= RATED CURRENT
- RP600C = FILTER SERIES

**NOTE:** USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS

E.G. **RP600-30-100-S-B** (6AMPS WITH 2.2 NF YCAP)

For **X, Y, Z** and **B** options see product specification table.

# RP600C

## HIGH PERFORMANCE **DC** POWER LINE FILTERS WITH CIRCUIT BREAKER

| MODEL NO.         | RATED CURRENT, A @ 40° C | Y-CAP, nF | TERMINAL OPTIONS |                  |                  | MOUNTING OPTIONS |        | MAX. DIMENSIONS" (MM) |            |           |
|-------------------|--------------------------|-----------|------------------|------------------|------------------|------------------|--------|-----------------------|------------|-----------|
|                   |                          |           | (W) INPUT/OUTPUT | (S) INPUT/OUTPUT | (C) INPUT/OUTPUT | BULKHEAD         | FLANGE | WIDTH                 | (LENGTH)   | HEIGHT    |
| RP600C-15-4.7-C-B | 15                       | 4.7       |                  |                  | ✓                | ✓                |        | 5.06"(129)            | 7.99"(203) | 1.48"(38) |
| RP600C-15-4.7-C-F | 15                       | 4.7       |                  |                  | ✓                |                  | ✓      | 6.26"(159)            | 7.99"(203) | 1.48"(38) |
| RP600C-15-4.7-S-B | 15                       | 4.7       |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 7.22"(183) | 1.48"(38) |
| RP600C-15-4.7-S-F | 15                       | 4.7       |                  | ✓                |                  |                  | ✓      | 6.26"(159)            | 7.40"(188) | 1.48"(38) |
| RP600C-15-4.7-W-B | 15                       | 4.7       | ✓                |                  |                  | ✓                |        | *                     | *          | *         |
| RP600C-15-4.7-W-F | 15                       | 4.7       | ✓                |                  |                  |                  | ✓      | *                     | *          | *         |
| RP600C-15-10-C-B  | 15                       | 10        |                  |                  | ✓                | ✓                |        | 5.06"(129)            | 7.99"(203) | 1.48"(38) |
| RP600C-15-10-C-F  | 15                       | 10        |                  |                  | ✓                |                  | ✓      | 6.26"(159)            | 7.99"(203) | 1.48"(38) |
| RP600C-15-10-S-B  | 15                       | 10        |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 7.22"(183) | 1.48"(38) |
| RP600C-15-10-S-F  | 15                       | 10        |                  | ✓                |                  |                  | ✓      | 6.26"(159)            | 7.40"(188) | 1.48"(38) |
| RP600C-15-10-W-B  | 15                       | 10        | ✓                |                  |                  | ✓                |        | *                     | *          | *         |
| RP600C-15-10-W-F  | 15                       | 10        | ✓                |                  |                  |                  | ✓      | *                     | *          | *         |
| RP600C-15-22-C-B  | 15                       | 22        |                  |                  | ✓                | ✓                |        | 5.06"(129)            | 7.99"(203) | 1.48"(38) |
| RP600C-15-22-C-F  | 15                       | 22        |                  |                  | ✓                |                  | ✓      | 6.26"(159)            | 7.99"(203) | 1.48"(38) |
| RP600C-15-22-S-B  | 15                       | 22        |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 7.22"(183) | 1.48"(38) |
| RP600C-15-22-S-F  | 15                       | 22        |                  | ✓                |                  |                  | ✓      | 6.26"(159)            | 7.40"(188) | 1.48"(38) |
| RP600C-15-22-W-B  | 15                       | 22        | ✓                |                  |                  | ✓                |        | *                     | *          | *         |
| RP600C-15-22-W-F  | 15                       | 22        | ✓                |                  |                  |                  | ✓      | *                     | *          | *         |
| RP600C-15-100-C-B | 15                       | 100       |                  |                  | ✓                | ✓                |        | 5.06"(129)            | 7.99"(203) | 1.48"(38) |
| RP600C-15-100-C-F | 15                       | 100       |                  |                  | ✓                |                  | ✓      | 6.26"(159)            | 7.99"(203) | 1.48"(38) |
| RP600C-15-100-S-B | 15                       | 100       |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 7.22"(183) | 1.48"(38) |
| RP600C-15-100-S-F | 15                       | 100       |                  | ✓                |                  |                  | ✓      | 6.26"(159)            | 7.40"(188) | 1.48"(38) |
| RP600C-15-100-W-B | 15                       | 100       | ✓                |                  |                  | ✓                |        | *                     | *          | *         |
| RP600C-15-100-W-F | 15                       | 100       | ✓                |                  |                  |                  | ✓      | *                     | *          | *         |
| RP600C-30-4.7-C-B | 30                       | 4.7       |                  |                  | ✓                | ✓                |        | *                     | *          | *         |
| RP600C-30-4.7-C-F | 30                       | 4.7       |                  |                  | ✓                |                  | ✓      | 6.26"(159)            | 8.99"(228) | 1.48"(38) |
| RP600C-30-4.7-S-B | 30                       | 4.7       |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 8.22"(209) | 1.48"(38) |
| RP600C-30-4.7-S-F | 30                       | 4.7       |                  | ✓                |                  |                  | ✓      | 6.20"(158)            | 8.87"(225) | 1.48"(38) |
| RP600C-30-4.7-W-B | 30                       | 4.7       | ✓                |                  |                  | ✓                |        | *                     | *          | *         |
| RP600C-30-4.7-W-F | 30                       | 4.7       | ✓                |                  |                  |                  | ✓      | *                     | *          | *         |
| RP600C-30-10-C-B  | 30                       | 10        |                  |                  | ✓                | ✓                |        | *                     | *          | *         |
| RP600C-30-10-C-F  | 30                       | 10        |                  |                  | ✓                |                  | ✓      | 6.26"(159)            | 8.99"(228) | 1.48"(38) |
| RP600C-30-10-S-B  | 30                       | 10        |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 8.22"(209) | 1.48"(38) |
| RP600C-30-10-S-F  | 30                       | 10        |                  | ✓                |                  |                  | ✓      | 6.20"(158)            | 8.87"(225) | 1.48"(38) |

**ADDITIONAL MODEL NO. >>**

# RP600C

## HIGH PERFORMANCE **DC** POWER LINE FILTERS WITH CIRCUIT BREAKER

| MODEL NO.         | RATED CURRENT, A @ 40° C | Y-CAP, nF | TERMINAL OPTIONS |                  |                  | MOUNTING OPTIONS |        | MAX. DIMENSIONS" (MM) |             |           |
|-------------------|--------------------------|-----------|------------------|------------------|------------------|------------------|--------|-----------------------|-------------|-----------|
|                   |                          |           | (W) INPUT/OUTPUT | (S) INPUT/OUTPUT | (C) INPUT/OUTPUT | BULKHEAD         | FLANGE | WIDTH                 | (LENGTH)    | HEIGHT    |
| RP600C-30-10-W-B  | 30                       | 10        | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-30-10-W-F  | 30                       | 10        | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-30-22-C-B  | 30                       | 22        |                  |                  | ✓                | ✓                |        | *                     | *           | *         |
| RP600C-30-22-C-F  | 30                       | 22        |                  |                  | ✓                |                  | ✓      | 6.26"(159)            | 8.99"(228)  | 1.48"(38) |
| RP600C-30-22-S-B  | 30                       | 22        |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 8.22"(209)  | 1.48"(38) |
| RP600C-30-22-S-F  | 30                       | 22        |                  | ✓                |                  |                  | ✓      | 6.20"(158)            | 8.87"(225)  | 1.48"(38) |
| RP600C-30-22-W-B  | 30                       | 22        | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-30-22-W-F  | 30                       | 22        | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-30-100-C-B | 30                       | 100       |                  |                  | ✓                | ✓                |        | *                     | *           | *         |
| RP600C-30-100-C-F | 30                       | 100       |                  |                  | ✓                |                  | ✓      | 6.26"(159)            | 8.99"(228)  | 1.48"(38) |
| RP600C-30-100-S-B | 30                       | 100       |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 8.22"(209)  | 1.48"(38) |
| RP600C-30-100-S-F | 30                       | 100       |                  | ✓                |                  |                  | ✓      | 6.20"(158)            | 8.87"(225)  | 1.48"(38) |
| RP600C-30-100-W-B | 30                       | 100       | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-30-100-W-F | 30                       | 100       | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-60-4.7-C-B | 60                       | 4.7       |                  |                  | ✓                | ✓                |        | *                     | *           | *         |
| RP600C-60-4.7-C-F | 60                       | 4.7       |                  |                  | ✓                |                  | ✓      | *                     | *           | *         |
| RP600C-60-4.7-S-B | 60                       | 4.7       |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 10.69"(272) | 1.48"(38) |
| RP600C-60-4.7-S-F | 60                       | 4.7       |                  | ✓                |                  |                  | ✓      | 6.26"(159)            | 10.87"(276) | 1.48"(38) |
| RP600C-60-4.7-W-B | 60                       | 4.7       | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-60-4.7-W-F | 60                       | 4.7       | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-60-10-C-B  | 60                       | 10        |                  |                  | ✓                | ✓                |        | *                     | *           | *         |
| RP600C-60-10-C-F  | 60                       | 10        |                  |                  | ✓                |                  | ✓      | *                     | *           | *         |
| RP600C-60-10-S-B  | 60                       | 10        |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 10.69"(272) | 1.48"(38) |
| RP600C-60-10-S-F  | 60                       | 10        |                  | ✓                |                  |                  | ✓      | 6.26"(159)            | 10.87"(276) | 1.48"(38) |
| RP600C-60-10-W-B  | 60                       | 10        | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-60-10-W-F  | 60                       | 10        | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-60-22-C-B  | 60                       | 22        |                  |                  | ✓                | ✓                |        | *                     | *           | *         |
| RP600C-60-22-C-F  | 60                       | 22        |                  |                  | ✓                |                  | ✓      | *                     | *           | *         |
| RP600C-60-22-S-B  | 60                       | 22        |                  | ✓                |                  | ✓                |        | 5.06"(129)            | 10.69"(272) | 1.48"(38) |
| RP600C-60-22-S-F  | 60                       | 22        |                  | ✓                |                  |                  | ✓      | 6.26"(159)            | 10.87"(276) | 1.48"(38) |
| RP600C-60-22-W-B  | 60                       | 22        | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-60-22-W-F  | 60                       | 22        | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-60-100-C-B | 60                       | 100       |                  |                  | ✓                | ✓                |        | *                     | *           | *         |
| RP600C-60-100-C-F | 60                       | 100       |                  |                  | ✓                |                  | ✓      | *                     | *           | *         |

**ADDITIONAL MODEL NO. >>**

# RP600C

## HIGH PERFORMANCE **DC** POWER LINE FILTERS WITH CIRCUIT BREAKER

| MODEL NO.          | RATED CURRENT, A @ 40° C | Y-CAP, nF | TERMINAL OPTIONS  |                   |                   | MOUNTING OPTIONS |        | MAX. DIMENSIONS" (MM) |             |           |
|--------------------|--------------------------|-----------|-------------------|-------------------|-------------------|------------------|--------|-----------------------|-------------|-----------|
|                    |                          |           | (W) INPUT/ OUTPUT | (S) INPUT/ OUTPUT | (C) INPUT/ OUTPUT | BULKHEAD         | FLANGE | WIDTH                 | (LENGTH)    | HEIGHT    |
| RP600C-60-100-S-B  | 60                       | 100       |                   | ✓                 |                   | ✓                |        | 5.06"(129)            | 10.69"(272) | 1.48"(38) |
| RP600C-60-100-S-F  | 60                       | 100       |                   | ✓                 |                   |                  | ✓      | 6.26"(159)            | 10.87"(276) | 1.48"(38) |
| RP600C-60-100-W-B  | 60                       | 100       | ✓                 |                   |                   | ✓                |        | *                     | *           | *         |
| RP600C-60-100-W-F  | 60                       | 100       | ✓                 |                   |                   |                  | ✓      | *                     | *           | *         |
| RP600C-80-4.7-C-B  | 80                       | 4.7       |                   |                   | ✓                 | ✓                |        | *                     | *           | *         |
| RP600C-80-4.7-C-F  | 80                       | 4.7       |                   |                   | ✓                 |                  | ✓      | *                     | *           | *         |
| RP600C-80-4.7-S-B  | 80                       | 4.7       |                   | ✓                 |                   | ✓                |        | 5.06"(129)            | 10.69"(272) | 1.48"(38) |
| RP600C-80-4.7-S-F  | 80                       | 4.7       |                   | ✓                 |                   |                  | ✓      | 6.26"(159)            | 10.87"(276) | 1.48"(38) |
| RP600C-80-4.7-W-B  | 80                       | 4.7       | ✓                 |                   |                   | ✓                |        | *                     | *           | *         |
| RP600C-80-4.7-W-F  | 80                       | 4.7       | ✓                 |                   |                   |                  | ✓      | *                     | *           | *         |
| RP600C-80-10-C-B   | 80                       | 10        |                   |                   | ✓                 | ✓                |        | *                     | *           | *         |
| RP600C-80-10-C-F   | 80                       | 10        |                   |                   | ✓                 |                  | ✓      | *                     | *           | *         |
| RP600C-80-10-S-B   | 80                       | 10        |                   | ✓                 |                   | ✓                |        | 5.06"(129)            | 10.69"(272) | 1.48"(38) |
| RP600C-80-10-S-F   | 80                       | 10        |                   | ✓                 |                   |                  | ✓      | 6.26"(159)            | 10.87"(276) | 1.48"(38) |
| RP600C-80-10-W-B   | 80                       | 10        | ✓                 |                   |                   | ✓                |        | *                     | *           | *         |
| RP600C-80-10-W-F   | 80                       | 10        | ✓                 |                   |                   |                  | ✓      | *                     | *           | *         |
| RP600C-80-22-C-B   | 80                       | 22        |                   |                   | ✓                 | ✓                |        | *                     | *           | *         |
| RP600C-80-22-C-F   | 80                       | 22        |                   |                   | ✓                 |                  | ✓      | *                     | *           | *         |
| RP600C-80-22-S-B   | 80                       | 22        |                   | ✓                 |                   | ✓                |        | 5.06"(129)            | 10.69"(272) | 1.48"(38) |
| RP600C-80-22-S-F   | 80                       | 22        |                   | ✓                 |                   |                  | ✓      | 6.26"(159)            | 10.87"(276) | 1.48"(38) |
| RP600C-80-22-W-B   | 80                       | 22        | ✓                 |                   |                   | ✓                |        | *                     | *           | *         |
| RP600C-80-22-W-F   | 80                       | 22        | ✓                 |                   |                   |                  | ✓      | *                     | *           | *         |
| RP600C-80-100-C-B  | 80                       | 100       |                   |                   | ✓                 | ✓                |        | *                     | *           | *         |
| RP600C-80-100-C-F  | 80                       | 100       |                   |                   | ✓                 |                  | ✓      | *                     | *           | *         |
| RP600C-80-100-S-B  | 80                       | 100       |                   | ✓                 |                   | ✓                |        | 5.06"(129)            | 10.69"(272) | 1.48"(38) |
| RP600C-80-100-S-F  | 80                       | 100       |                   | ✓                 |                   |                  | ✓      | 6.26"(159)            | 10.87"(276) | 1.48"(38) |
| RP600C-80-100-W-B  | 80                       | 100       | ✓                 |                   |                   | ✓                |        | *                     | *           | *         |
| RP600C-80-100-W-F  | 80                       | 100       | ✓                 |                   |                   |                  | ✓      | *                     | *           | *         |
| RP600C-100-4.7-C-B | 100                      | 4.7       |                   |                   | ✓                 | ✓                |        | 6.06"(154)            | 13.09"(333) | 1.78"(45) |
| RP600C-100-4.7-C-F | 100                      | 4.7       |                   |                   | ✓                 |                  | ✓      | 7.26"(184)            | 13.09"(333) | 1.78"(45) |
| RP600C-100-4.7-S-B | 100                      | 4.7       |                   | ✓                 |                   | ✓                |        | 6.06"(154)            | 12.26"(311) | 1.78"(45) |
| RP600C-100-4.7-S-F | 100                      | 4.7       |                   | ✓                 |                   |                  | ✓      | 7.34"(187)            | 12.26"(311) | 1.78"(45) |
| RP600C-100-4.7-W-B | 100                      | 4.7       | ✓                 |                   |                   | ✓                |        | *                     | *           | *         |
| RP600C-100-4.7-W-F | 100                      | 4.7       | ✓                 |                   |                   |                  | ✓      | *                     | *           | *         |

**ADDITIONAL MODEL NO. >>**

# RP600C

## HIGH PERFORMANCE **DC** POWER LINE FILTERS WITH CIRCUIT BREAKER

| MODEL NO.          | RATED CURRENT, A @ 40° C | Y-CAP, nF | TERMINAL OPTIONS |                  |                  | MOUNTING OPTIONS |        | MAX. DIMENSIONS" (MM) |             |           |
|--------------------|--------------------------|-----------|------------------|------------------|------------------|------------------|--------|-----------------------|-------------|-----------|
|                    |                          |           | (W) INPUT/OUTPUT | (S) INPUT/OUTPUT | (C) INPUT/OUTPUT | BULKHEAD         | FLANGE | WIDTH                 | (LENGTH)    | HEIGHT    |
| RP600C-100-10-C-B  | 100                      | 10        |                  |                  | ✓                | ✓                |        | 6.06"(154)            | 13.09"(333) | 1.78"(45) |
| RP600C-100-10-C-F  | 100                      | 10        |                  |                  | ✓                |                  | ✓      | 7.26"(184)            | 13.09"(333) | 1.78"(45) |
| RP600C-100-10-S-B  | 100                      | 10        |                  | ✓                |                  | ✓                |        | 6.06"(154)            | 12.26"(311) | 1.78"(45) |
| RP600C-100-10-S-F  | 100                      | 10        |                  | ✓                |                  |                  | ✓      | 7.34"(187)            | 12.26"(311) | 1.78"(45) |
| RP600C-100-10-W-B  | 100                      | 10        | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-100-10-W-F  | 100                      | 10        | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-100-22-C-B  | 100                      | 22        |                  |                  | ✓                | ✓                |        | 6.06"(154)            | 13.09"(333) | 1.78"(45) |
| RP600C-100-22-C-F  | 100                      | 22        |                  |                  | ✓                |                  | ✓      | 7.26"(184)            | 13.09"(333) | 1.78"(45) |
| RP600C-100-22-S-B  | 100                      | 22        |                  | ✓                |                  | ✓                |        | 6.06"(154)            | 12.26"(311) | 1.78"(45) |
| RP600C-100-22-S-F  | 100                      | 22        |                  | ✓                |                  |                  | ✓      | 7.34"(187)            | 12.26"(311) | 1.78"(45) |
| RP600C-100-22-W-B  | 100                      | 22        | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-100-22-W-F  | 100                      | 22        | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-100-100-C-B | 100                      | 100       |                  |                  | ✓                | ✓                |        | 6.06"(154)            | 13.09"(333) | 1.78"(45) |
| RP600C-100-100-C-F | 100                      | 100       |                  |                  | ✓                |                  | ✓      | 7.26"(184)            | 13.09"(333) | 1.78"(45) |
| RP600C-100-100-S-B | 100                      | 100       |                  | ✓                |                  | ✓                |        | 6.06"(154)            | 12.26"(311) | 1.78"(45) |
| RP600C-100-100-S-F | 100                      | 100       |                  | ✓                |                  |                  | ✓      | 7.34"(187)            | 12.26"(311) | 1.78"(45) |
| RP600C-100-100-W-B | 100                      | 100       | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-100-100-W-F | 100                      | 100       | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-125-4.7-C-B | 125                      | 4.7       |                  |                  | ✓                | ✓                |        | 6.06"(154)            | 13.09"(333) | 1.78"(45) |
| RP600C-125-4.7-C-F | 125                      | 4.7       |                  |                  | ✓                |                  | ✓      | 7.26"(184)            | 13.09"(333) | 1.78"(45) |
| RP600C-125-4.7-S-B | 125                      | 4.7       |                  | ✓                |                  | ✓                |        | 6.06"(154)            | 12.26"(311) | 1.78"(45) |
| RP600C-125-4.7-S-F | 125                      | 4.7       |                  | ✓                |                  |                  | ✓      | 7.34"(187)            | 12.26"(311) | 1.78"(45) |
| RP600C-125-4.7-W-B | 125                      | 4.7       | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-125-4.7-W-F | 125                      | 4.7       | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-125-10-C-B  | 125                      | 10        |                  |                  | ✓                | ✓                |        | 6.06"(154)            | 13.09"(333) | 1.78"(45) |
| RP600C-125-10-C-F  | 125                      | 10        |                  |                  | ✓                |                  | ✓      | 7.26"(184)            | 13.09"(333) | 1.78"(45) |
| RP600C-125-10-S-B  | 125                      | 10        |                  | ✓                |                  | ✓                |        | 6.06"(154)            | 12.26"(311) | 1.78"(45) |
| RP600C-125-10-S-F  | 125                      | 10        |                  | ✓                |                  |                  | ✓      | 7.34"(187)            | 12.26"(311) | 1.78"(45) |
| RP600C-125-10-W-B  | 125                      | 10        | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-125-10-W-F  | 125                      | 10        | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-125-22-C-B  | 125                      | 22        |                  |                  | ✓                | ✓                |        | 6.06"(154)            | 13.09"(333) | 1.78"(45) |
| RP600C-125-22-C-F  | 125                      | 22        |                  |                  | ✓                |                  | ✓      | 7.26"(184)            | 13.09"(333) | 1.78"(45) |
| RP600C-125-22-S-B  | 125                      | 22        |                  | ✓                |                  | ✓                |        | 6.06"(154)            | 12.26"(311) | 1.78"(45) |
| RP600C-125-22-S-F  | 125                      | 22        |                  | ✓                |                  |                  | ✓      | 7.34"(187)            | 12.26"(311) | 1.78"(45) |

**ADDITIONAL MODEL NO. >>**

# RP600C

## HIGH PERFORMANCE **DC** POWER LINE FILTERS WITH CIRCUIT BREAKER

| MODEL NO.          | RATED CURRENT, A @ 40° C | Y-CAP, nF | TERMINAL OPTIONS |                  |                  | MOUNTING OPTIONS |        | MAX. DIMENSIONS" (MM) |             |           |
|--------------------|--------------------------|-----------|------------------|------------------|------------------|------------------|--------|-----------------------|-------------|-----------|
|                    |                          |           | (W) INPUT/OUTPUT | (S) INPUT/OUTPUT | (C) INPUT/OUTPUT | BULKHEAD         | FLANGE | WIDTH                 | (LENGTH)    | HEIGHT    |
| RP600C-125-22-W-B  | 125                      | 22        | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-125-22-W-F  | 125                      | 22        | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |
| RP600C-125-100-C-B | 125                      | 100       |                  |                  | ✓                | ✓                |        | 6.06"(154)            | 13.09"(333) | 1.78"(45) |
| RP600C-125-100-C-F | 125                      | 100       |                  |                  | ✓                |                  | ✓      | 7.26"(184)            | 13.09"(333) | 1.78"(45) |
| RP600C-125-100-S-B | 125                      | 100       |                  | ✓                |                  | ✓                |        | 6.06"(154)            | 12.26"(311) | 1.78"(45) |
| RP600C-125-100-S-F | 125                      | 100       |                  | ✓                |                  |                  | ✓      | 7.34"(187)            | 12.26"(311) | 1.78"(45) |
| RP600C-125-100-W-B | 125                      | 100       | ✓                |                  |                  | ✓                |        | *                     | *           | *         |
| RP600C-125-100-W-F | 125                      | 100       | ✓                |                  |                  |                  | ✓      | *                     | *           | *         |

\*Contact factory for dimensions.

### TYPICAL INSERTION LOSS, dB (50/50 Ohm)

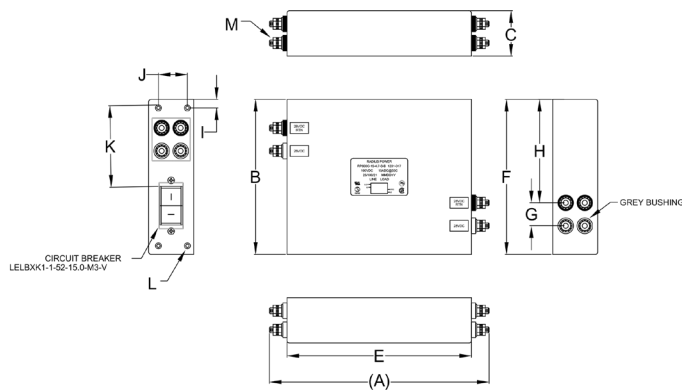
| Amps       | Freq (MHz) | 0.15 | 0.5 | 1.0 | 10 | 30 |
|------------|------------|------|-----|-----|----|----|
| <b>15</b>  | CM (dB)    | 22   | 42  | 50  | 50 | 40 |
|            | DM (dB)    | 30   | 32  | 38  | 40 | 35 |
| <b>30</b>  | CM (dB)    | 24   | 50  | 60  | 45 | 38 |
|            | DM (dB)    | 32   | 35  | 60  | 45 | 30 |
| <b>60</b>  | CM (dB)    | 18   | 40  | 40  | 45 | 35 |
|            | DM (dB)    | 40   | 42  | 35  | 42 | 35 |
| <b>80</b>  | CM (dB)    | 18   | 40  | 40  | 45 | 35 |
|            | DM (dB)    | 40   | 42  | 35  | 42 | 35 |
| <b>100</b> | CM (dB)    | 20   | 40  | 40  | 35 | 25 |
|            | DM (dB)    | 40   | 42  | 30  | 45 | 35 |
| <b>125</b> | CM (dB)    | 32   | 34  | 30  | 20 | 30 |
|            | DM (dB)    | 40   | 42  | 30  | 42 | 35 |

# RP600C

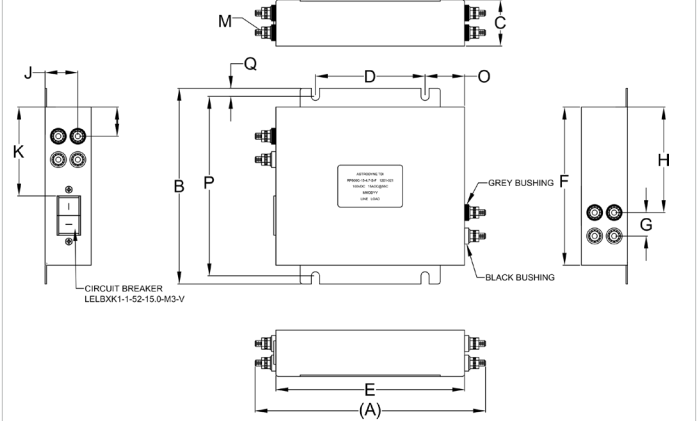
## HIGH PERFORMANCE **DC** POWER LINE FILTERS WITH CIRCUIT BREAKER

### RP600C MECHANICAL OUTLINES (MM)

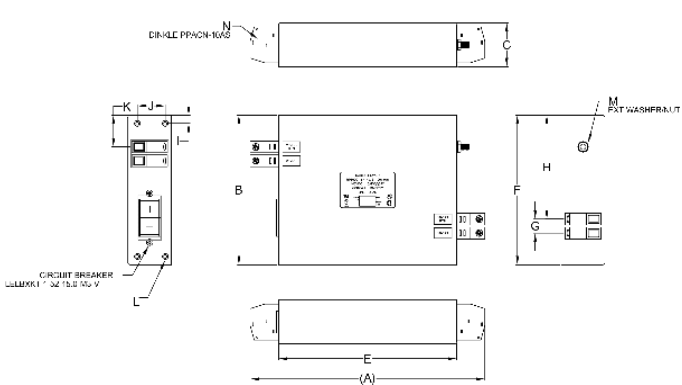
#### STUDS (B)



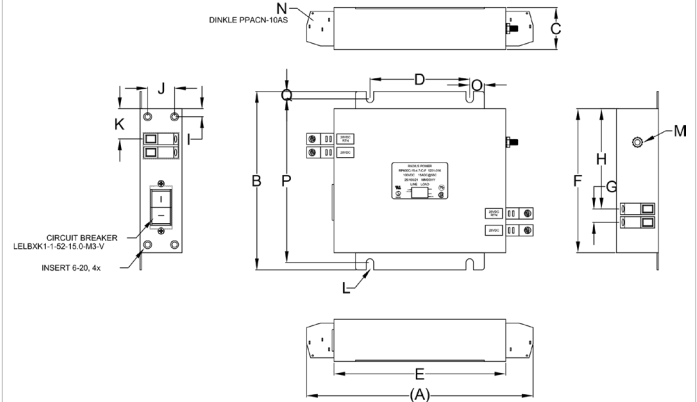
#### STUDS (F)



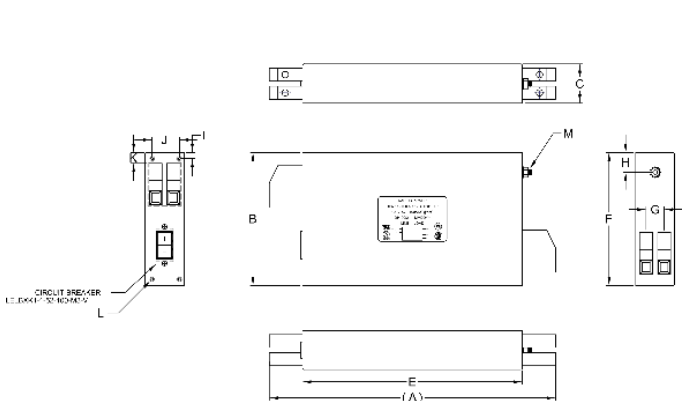
#### CONNECTORS (B) (15/30AMPS)



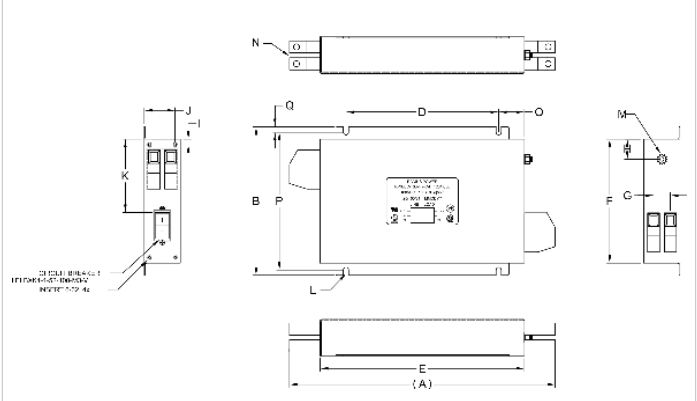
#### CONNECTORS (F) (15/30AMPS)



#### CONNECTORS (B) (60/80/100/125 AMPS)



#### CONNECTORS (F) (60/80/100/125 AMPS)



# RP600C

## HIGH PERFORMANCE **DC** POWER LINE FILTERS WITH CIRCUIT BREAKER

| SERIES                     | (A)             | B              | C             | D              | E               | F              | G             | H              | I             | J             | K             | L                                   | M           | N             | O             | P              | Q            |
|----------------------------|-----------------|----------------|---------------|----------------|-----------------|----------------|---------------|----------------|---------------|---------------|---------------|-------------------------------------|-------------|---------------|---------------|----------------|--------------|
| <b>STUDS (B) (15A)</b>     | 7.22"<br>(183)  | 5.06"<br>(129) | 1.48"<br>(38) | N/A            | 6.06"<br>(154)  | 5.06"<br>(129) | 0.75"<br>(19) | 3.38"<br>(86)  | 0.28"<br>(7)  | 0.96"<br>(24) | 2.66"<br>(68) | INSERT 6-32, 4x                     | STUD M5, 8x | N/A           | N/A           | N/A            | N/A          |
| <b>STUDS (F) (15A)</b>     | 7.40"<br>(188)  | 6.26"<br>(159) | 1.48"<br>(38) | 3.52"<br>(89)  | 6.06"<br>(154)  | 5.06"<br>(129) | 0.75"<br>(19) | 3.38"<br>(86)  | 0.93"<br>(24) | 1.05"<br>(27) | 2.84"<br>(72) | N/A                                 | 8x, M5 Stud | N/A           | 1.27"<br>(32) | 5.74"<br>(146) | 0.26"<br>(7) |
| <b>CONNECT. (B) (15A)</b>  | 7.99"<br>(203)  | 5.06"<br>(129) | 1.48"<br>(38) | N/A            | 6.06"<br>(154)  | 5.06"<br>(129) | 0.47"<br>(12) | 1.18"<br>(30)  | 0.28"<br>(7)  | 0.95"<br>(24) | 1.07"<br>(27) | INSERT 6-20, 4x                     | STUD M5 GND | CONNECTOR, 4x | N/A           | N/A            | N/A          |
| <b>CONNECT. (F) (15A)</b>  | 7.99"<br>(203)  | 6.26"<br>(159) | 1.48"<br>(38) | 3.52"<br>(89)  | 6.06"<br>(154)  | 5.06"<br>(129) | 0.47"<br>(12) | 1.07"<br>(27)  | 0.29"<br>(7)  | 0.95"<br>(24) | 1.07"<br>(27) | Ø 0.25"x0.38",4x<br>(Ø 6.6x9.9, 4x) | STUD M5 GND | CONNECTOR, 4x | 0.51"<br>(13) | 5.74"<br>(146) | 0.26"<br>(7) |
| <b>STUDS (B) (30A)</b>     | 8.22"<br>(209)  | 5.06"<br>(129) | 1.48"<br>(38) | N/A            | 7.06"<br>(179)  | 5.06"<br>(129) | 0.75"<br>(19) | 3.37"<br>(86)  | 0.28"<br>(7)  | 0.95"<br>(24) | 2.66"<br>(68) | INSERT 6-20, 4x                     | STUD M5, 8x | N/A           | N/A           | N/A            | N/A          |
| <b>STUDS (F) (30A)</b>     | 8.87"<br>(225)  | 6.20"<br>(158) | 1.48"<br>(38) | 4.52"<br>(115) | 7.06"<br>(179)  | 5.00"<br>(127) | 0.75"<br>(19) | 3.32"<br>(84)  | 0.93"<br>(24) | 1.05"<br>(27) | 2.78"<br>(71) | Ø 0.38"x0.25",4x<br>(Ø 9.9x6.6, 4x) | STUD M5, 8x | N/A           | 1.27"<br>(32) | 5.68"<br>(144) | 0.26"<br>(7) |
| <b>CONNECT. (F) (30A)</b>  | 8.99"<br>(228)  | 6.26"<br>(159) | 1.48"<br>(38) | 4.52"<br>(115) | 7.06"<br>(179)  | 5.06"<br>(129) | 0.47"<br>(12) | 3.52"<br>(89)  | 0.30"<br>(8)  | 0.95"<br>(24) | 1.07"<br>(27) | N/A                                 | STUD M5 GND | CONNECTOR, 4x | 0.51"<br>(13) | 5.74"<br>(146) | 0.26"<br>(7) |
| <b>STUDS (B) (60A)</b>     | 10.69"<br>(272) | 5.06"<br>(129) | 1.48"<br>(38) | N/A            | 9.06"<br>(230)  | 5.06"<br>(129) | 0.75"<br>(19) | 3.37"<br>(86)  | 0.28"<br>(7)  | 0.95"<br>(24) | 2.65"<br>(67) | INSERT 6-32, 4x                     | STUD M5, 8x | N/A           | N/A           | N/A            | N/A          |
| <b>STUDS (F) (60A)</b>     | 10.87"<br>(276) | 6.26"<br>(159) | 1.48"<br>(38) | 6.52"<br>(166) | 9.06"<br>(230)  | 5.06"<br>(129) | 0.75"<br>(19) | 3.37"<br>(86)  | 0.94"<br>(24) | 1.05"<br>(27) | 2.84"<br>(72) | Ø 0.38"x0.25",4x<br>(Ø 9.9x6.6, 4x) | STUD M5, 8x | N/A           | 1.27"<br>(32) | 5.74"<br>(146) | 0.26"<br>(7) |
| <b>STUDS (B) (100A)</b>    | 12.26"<br>(311) | 6.06"<br>(154) | 1.78"<br>(45) | N/A            | 10.06"<br>(256) | 6.06"<br>(154) | 1.00"<br>(25) | 4.00"<br>(102) | 0.28"<br>(7)  | 1.27"<br>(32) | 3.41"<br>(87) | N/A                                 | STUD M6, 8x | N/A           | N/A           | N/A            | N/A          |
| <b>STUDS (F) (100A)</b>    | 12.26"<br>(311) | 7.34"<br>(187) | 1.78"<br>(45) | 4.69"<br>(119) | 10.06"<br>(256) | 6.06"<br>(154) | 1.00"<br>(25) | 4.00"<br>(101) | 0.27"<br>(7)  | 1.25"<br>(32) | 3.42"<br>(87) | INSERT 6-32, 4x                     | STUD M6, 8x | N/A           | 2.69"<br>(68) | 6.74"<br>(171) | 0.30"<br>(8) |
| <b>CONNECT. (B) (100A)</b> | 13.09"<br>(333) | 6.06"<br>(154) | 1.78"<br>(45) | N/A            | 10.06"<br>(256) | 6.06"<br>(154) | 2.75"<br>(70) | 0.91"<br>(23)  | 0.28"<br>(7)  | 1.25"<br>(32) | 0.50"<br>(13) | INSERT 6-32, 4x                     | STUD M6 GND | N/A           | N/A           | N/A            | N/A          |
| <b>CONNECT. (F) (100A)</b> | 13.09"<br>(333) | 7.26"<br>(184) | 1.78"<br>(45) | 7.52"<br>(191) | 10.06"<br>(256) | 6.06"<br>(154) | 2.63"<br>(67) | 0.98"<br>(25)  | 0.27"<br>(7)  | 1.52"<br>(39) | 3.60"<br>(91) | Ø 0.25"x0.38",4x<br>(Ø 6.6x9.9, 4x) | STUD GND M6 | CONNECTOR, 4x | 1.27"<br>(32) | 6.74"<br>(171) | 0.26"<br>(7) |

TYPICAL TOLERANCE: +/-0.02" (0.50MM)



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