

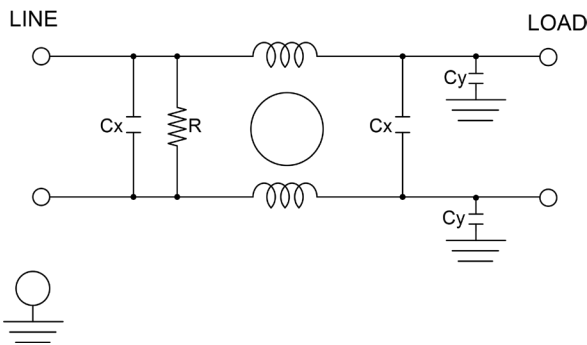
RP605

HIGH CURRENT DC POWER LINE FILTERS

FEATURES

- » Rated currents include **100A, 150A, 180A, and 200A**
- » Dual Stage Line Filter
- » Available with **W** (wires), **S** (studs) and **C** (connectors) option
- » High Current Design
- » Agency Approved to UL1283 / 60929, CSA C22.2, EN 60939
- » Y-cap value can be adjusted to fit specification

ELECTRICAL SCHEMATIC



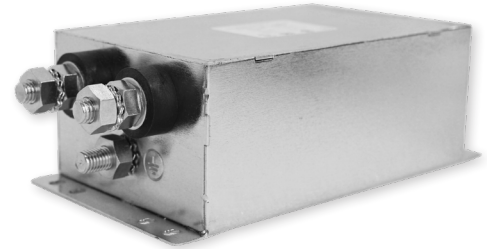
HOW TO ORDER

RP605-X-Y-Z



NOTE: USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS
E.G. **RP605-100-10-S**(100AMPS WITH 10 nF YCAP)

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



SPECIFICATIONS

| | |
|-------------------------------|------------------|
| MAX. OPERATING VOLTAGE | 250V +10% |
| AMBIENT TEMPERATURE | -25 TO 40°C |
| CLIMATIC CATEGORY | 25/100/21 |
| TERMINALS (-T) | WIRE LEADS |
| | STUDS 100A (M6), |
| | 150-200A (M10) |
| | CONNECTORS |
| TYP. WEIGHT, LBS (KG) | 6.0 (2.7) |

HIPOT RATINGS

| | |
|-----------------------|----------|
| LINE TO GROUND | 2700 VDC |
|-----------------------|----------|

TYPICAL APPLICATIONS

- ✓ High power rectifiers
- ✓ Uninterrupted power supplies
- ✓ Inverters
- ✓ VFD
- ✓ PWM

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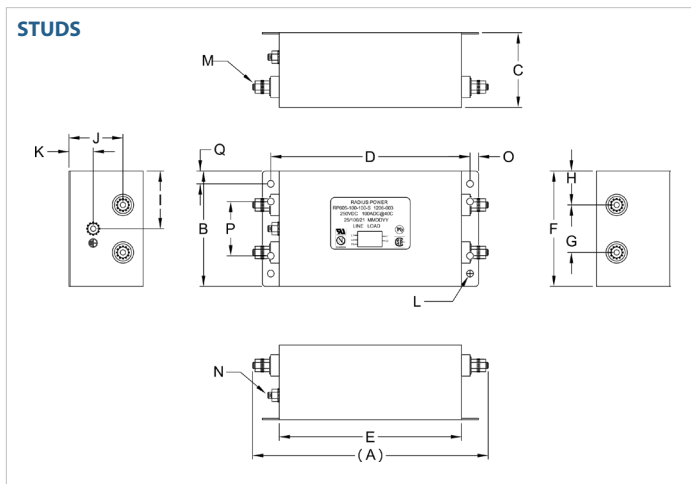
| MODEL NO. | RATED CURRENT, A @ 40° C | Y-CAP, nF | TERMINAL OPTIONS | | | MAX. DIMENSIONS" (MM) | | |
|-----------------|--------------------------|-----------|------------------|------------------|------------------|-----------------------|------------|-----------|
| | | | (W) INPUT/OUTPUT | (S) INPUT/OUTPUT | (C) INPUT/OUTPUT | WIDTH | (LENGTH) | HEIGHT |
| RP605-100-10-C | 100 | 10 | | | ✓ | * | * | * |
| RP605-100-10-S | 100 | 10 | | ✓ | | 4.25"(108) | 8.72"(221) | 2.75"(70) |
| RP605-100-10-W | 100 | 10 | ✓ | | | * | * | * |
| RP605-100-100-C | 100 | 100 | | | ✓ | * | * | * |
| RP605-100-100-S | 100 | 100 | | ✓ | | 4.25"(108) | 8.72"(221) | 2.75"(70) |
| RP605-100-100-W | 100 | 100 | ✓ | | | * | * | * |
| RP605-150-10-C | 150 | 10 | | | ✓ | * | * | * |
| RP605-150-10-S | 150 | 10 | | ✓ | | 4.25"(108) | 8.72"(221) | 2.75"(70) |
| RP605-150-10-W | 150 | 10 | ✓ | | | * | * | * |
| RP605-150-100-C | 150 | 100 | | | ✓ | * | * | * |
| RP605-150-100-S | 150 | 100 | | ✓ | | 4.25"(108) | 8.72"(221) | 2.75"(70) |
| RP605-150-100-W | 150 | 100 | ✓ | | | * | * | * |
| RP605-180-10-C | 180 | 10 | | | ✓ | * | * | * |
| RP605-180-10-S | 180 | 10 | | ✓ | | 4.25"(108) | 8.72"(221) | 2.75"(70) |
| RP605-180-10-W | 180 | 10 | ✓ | | | * | * | * |
| RP605-180-100-C | 180 | 100 | | | ✓ | * | * | * |
| RP605-180-100-S | 180 | 100 | | ✓ | | 4.25"(108) | 8.72"(221) | 2.75"(70) |
| RP605-180-100-W | 180 | 100 | ✓ | | | * | * | * |
| RP605-200-10-C | 200 | 10 | | | ✓ | * | * | * |
| RP605-200-10-S | 200 | 10 | | ✓ | | 4.25"(108) | 8.72"(221) | 2.75"(70) |
| RP605-200-10-W | 200 | 10 | ✓ | | | * | * | * |
| RP605-200-100-C | 200 | 100 | | | ✓ | * | * | * |
| RP605-200-100-S | 200 | 100 | | ✓ | | 4.25"(108) | 8.72"(221) | 2.75"(70) |
| RP605-200-100-W | 200 | 100 | ✓ | | | * | * | * |

*Contact factory for dimensions.

RP605

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RP605 MECHANICAL OUTLINES (MM)



| SERIES | (A) | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q |
|--------|----------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|-------------------------|---------------|------------------|--------------|---------------|---------------|
| STUDS | 8.72" (221) | 4.25" (108) | 2.75" (70) | 7.37" (187) | 6.75" (171) | 4.25" (108) | 1.75" (45) | 1.25" (32) | 2.13" (54) | 2.00" (51) | 0.90" (23) | Ø0.25",8x (Ø6.4, 8x) | STUD M6 4x | STUD, GND, M6 | 0.31" (8) | 2.00" (51) | 0.47" (12) |

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

TYPICAL INSERTION LOSS, dB (50/50 Ohm)

| Amps | Freq (MHz) | 0.15 | 0.5 | 1.0 | 10 | 30 |
|------|------------|------|-----|-----|----|----|
| | | 16 | 28 | 36 | 45 | 50 |
| 100 | CM (dB) | 16 | 28 | 36 | 45 | 50 |
| | DM (dB) | 32 | 60 | 60 | 50 | 50 |
| 150 | CM (dB) | 16 | 28 | 36 | 45 | 50 |
| | DM (dB) | 32 | 60 | 60 | 50 | 50 |
| 180 | CM (dB) | 16 | 28 | 36 | 45 | 50 |
| | DM (dB) | 32 | 60 | 60 | 50 | 50 |
| 200 | CM (dB) | 16 | 28 | 36 | 45 | 50 |
| | DM (dB) | 32 | 60 | 60 | 50 | 50 |