

RPM7200

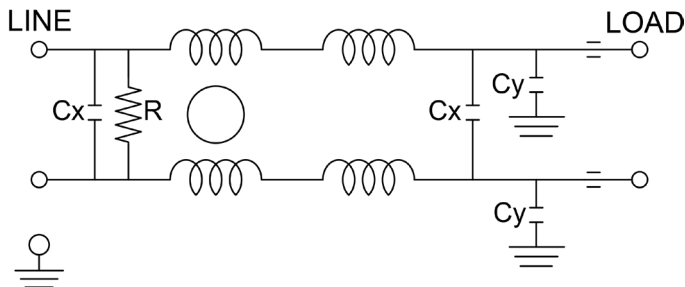
MIL/COTS AC, SINGLE PHASE EMI POWER LINE FILTER

FEATURES

- » Rated currents include **5A, 10A, 15A, 25A, 30A, and 50A**
- » Dual Stage Line Filter
- » Available with **S** (studs)
- » Agency Approved to RoHS
- » Y-cap value can be adjusted to fit specification



ELECTRICAL SCHEMATIC



HOW TO ORDER

RPM7200 - Y - Z

Z = TERMINAL (-T)
X = RATED CURRENT

RPM7200=FILTER SERIES

NOTE: USE ANY COMBINATION OF -X (AMPS) WITH ANY -Y RATINGS
E.G. **RPM7200-10-S** (10 AMPS)

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

SPECIFICATIONS

| | |
|------------------------|-------------------|
| OPERATING FREQUENCY | 50/60/400 Hz |
| MAX. OPERATING VOLTAGE | 300 VAC +10% |
| AMBIENT TEMPERATURE | -40 TO 70°C |
| CLIMATIC CATEGORY | 25/100/21 |
| TERMINALS (-T) | STUDS: 5-50A (M5) |

| | |
|-----------------------|-------------------|
| TYP. WEIGHT, LBS (KG) | 1.4-6.5(0.6-2.94) |
|-----------------------|-------------------|

TYPICAL LEAKAGE CURRENT

| | |
|-----------------|------------------|
| @ 250 VAC 60 Hz | 0 - 3.50 mA Max. |
|-----------------|------------------|

HIPOT RATINGS

| | |
|----------------|----------|
| LINE TO GROUND | 1800 VDC |
|----------------|----------|

TYPICAL APPLICATIONS

- ✓ Mil-461/ DO-160

NOTE:

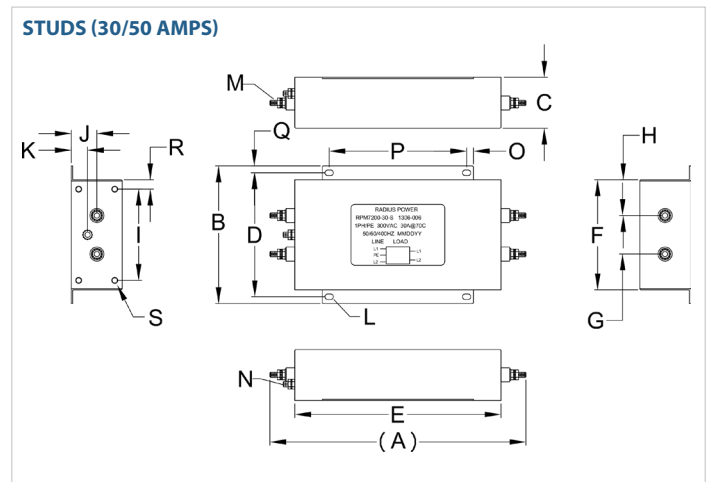
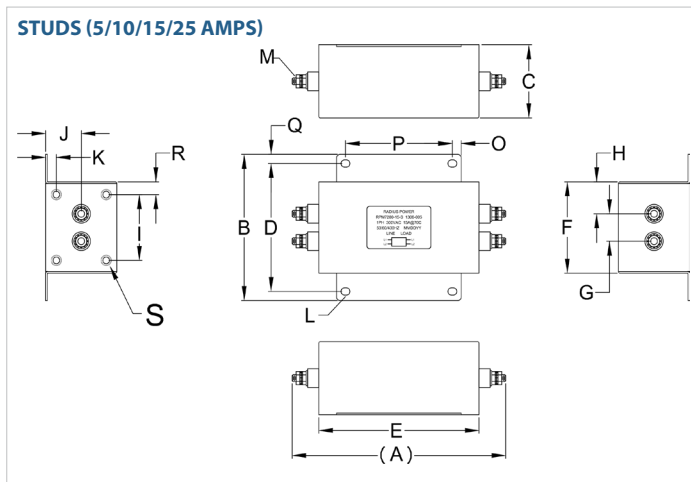
- ✓ Call for other termination types (e.g. Circular Mil-Connectors, etc.) Leakage current is determined by the line to ground capacitors in the filter. The capacitors can be easily varied to match the system leakage requirements.

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MIL/COTS AC, SINGLE PHASE EMI POWER LINE FILTER

| MODEL NO. | RATED CURRENT, A @ 40° C | LEAKAGE CURRENT, mA @ 250V AC, 60 Hz | TERMINAL OPTIONS | | | MAX. DIMENSIONS" (MM) | | |
|--------------|--------------------------|--------------------------------------|--------------------|-------------------|-------------------|-----------------------|-------------|-----------|
| | | | (QD) INPUT/ OUTPUT | (W) INPUT/ OUTPUT | (S) INPUT/ OUTPUT | WIDTH | (LENGTH) | HEIGHT |
| RPM7200-5-S | 5 | 3.50 | | | ✓ | 4.00"(102) | 6.00"(152) | 2.00"(51) |
| RPM7200-10-S | 10 | 3.50 | | | ✓ | 4.00"(102) | 6.00"(152) | 2.00"(51) |
| RPM7200-15-S | 15 | 3.50 | | | ✓ | 5.00"(127) | 9.31"(237) | 1.85"(47) |
| RPM7200-25-S | 25 | 3.50 | | | ✓ | 5.00"(127) | 9.31"(237) | 1.85"(47) |
| RPM7200-30-S | 30 | 3.50 | | | ✓ | 5.00"(127) | 11.31"(287) | 1.85"(47) |
| RPM7200-50-S | 50 | 3.50 | | | ✓ | 5.00"(127) | 11.31"(287) | 1.85"(47) |

RPM7200MECHANICAL OUTLINES (MM)



| SERIES | (A) | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S |
|-----------------------|-----------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------------------------------|-----------------|------------------|--------------|----------------|--------------|--------------|--------------------|
| STUDS (5/10A) | 6.00" (152) | 4.00" (102) | 2.00" (51) | 3.50" (89) | 4.50" (114) | 2.50" (64) | 0.77" (20) | 0.88" (22) | 1.80" (46) | 1.00" (25) | 0.30" (8) | Ø 0.25"x0.20" (Ø , 6.4x5.1, 4x) | STUD, M5, 4x | N/A | 0.25" (6) | 3.00" (76) | 0.25" (6) | 0.35" (9) | INSERT 6-32, 4x |
| STUDS (15/25A) | 9.31" (237) | 5.00" (127) | 1.85" (47) | 4.51" (115) | 7.50" (191) | 4.00" (102) | 1.40" (36) | 1.30" (33) | 3.31" (84) | 0.93" (24) | 0.59" (15) | Ø 0.29"x0.20,4x (Ø , 7.6x5.1, 4x) | STUD, M5, 4x | STUD, GND, M5 | 0.25" (6) | 5.00" (127) | 0.25" (6) | 0.34" (9) | N/A |
| STUDS (30/50A) | 11.31" (287) | 5.00" (127) | 1.85" (47) | 4.50" (114) | 9.50" (241) | 4.00" (102) | 1.75" (44) | 1.13" (29) | 3.31" (84) | 0.93" (24) | 0.27" (7) | Ø 0.20"x0.29",4x (Ø , 5.1x7.6, 4x) | STUD, M5, 4x | STUD, GND, M5 | 0.25" (6) | 5.00" (127) | 0.25" (6) | 0.34" (9) | N/A |

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

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TYPICAL INSERTION LOSS, dB (50/50 Ohm)

| Amps | Freq (MHz) | 0.15 | 0.5 | 1.0 | 10 | 30 |
|------|------------|------|-----|-----|----|----|
| 5 | CM (dB) | 38 | 50 | 60 | 70 | 70 |
| | DM (dB) | 45 | 60 | 60 | 60 | |
| 10 | CM (dB) | 38 | 50 | 60 | 70 | 70 |
| | DM (dB) | 45 | 60 | 60 | 60 | |
| 15 | CM (dB) | 38 | 50 | 60 | 70 | 70 |
| | DM (dB) | 45 | 60 | 60 | 60 | |
| 25 | CM (dB) | 38 | 50 | 60 | 70 | 70 |
| | DM (dB) | 45 | 60 | 60 | 60 | |
| 30 | CM (dB) | 38 | 50 | 60 | 70 | 70 |
| | DM (dB) | 45 | 60 | 60 | 60 | |
| 50 | CM (dB) | 38 | 50 | 60 | 70 | 70 |
| | DM (dB) | 45 | 60 | 60 | 60 | |