

# RPT5500

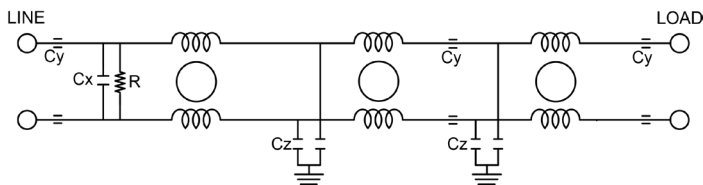
## TEMPEST/COTS AC EMI POWER LINE FILTER

### FEATURES

- » Rated currents include **5A, 10A, 15A, 25A, 30A, and 35A**
- » Multi Stage Line Filter
- » Available with **S** (studs)
- » Agency Approved to RoHS
- » Y-cap value can be adjusted to fit specification



### ELECTRICAL SCHEMATIC



### 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: 5-35A (M5)    |
| TYP. WEIGHT, LBS (KG)   | 3.2 - 6(1.45 - 2.72) |

### HIPOT RATINGS

|                |          |
|----------------|----------|
| LINE TO GROUND | 1500 VDC |
|----------------|----------|

### TYPICAL APPLICATIONS

- ✓ TEMPEST/Mil-461/DO-160

### NOTE:

- ✓ Call for other termination types (e.g. Circular Mil Connectors, etc.)

### HOW TO ORDER

RPT5500 - Y - Z

Z = TERMINAL (-T)  
X = RATED CURRENT

RPT5500=FILTER SERIES

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

E.G. **RPT5500-5-S** (5 AMPS)

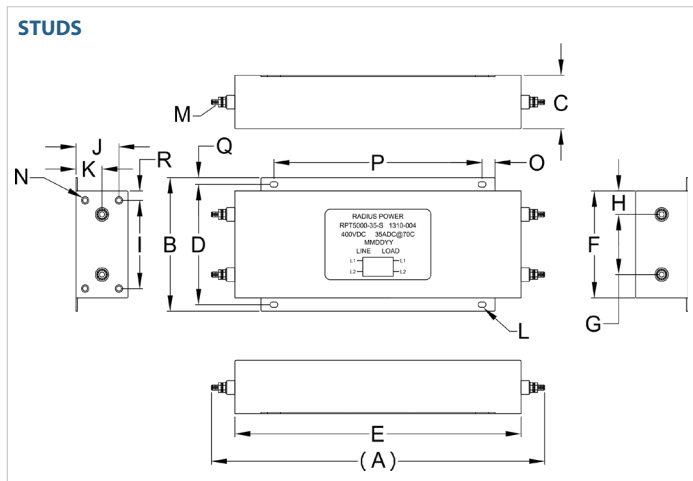
For **X** and **Y** options see product specification table.

# RPT5500

## TEMPEST/COTS AC 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    |
| RPT5500-5-S  | 5                        | 3.50                                |                   |                  | ✓                | 4.50"(114)            | 9.70"(246)  | 2.00"(51) |
| RPT5500-10-S | 10                       | 3.50                                |                   |                  | ✓                | 4.50"(114)            | 9.70"(246)  | 2.00"(51) |
| RPT5500-15-S | 15                       | 3.50                                |                   |                  | ✓                | 5.00"(127)            | 12.81"(325) | 2.00"(51) |
| RPT5500-25-S | 25                       | 3.50                                |                   |                  | ✓                | 5.00"(127)            | 12.81"(325) | 2.00"(51) |
| RPT5500-30-S | 30                       | 3.50                                |                   |                  | ✓                | 5.00"(127)            | 12.81"(325) | 2.00"(51) |
| RPT5500-35-S | 35                       | 3.50                                |                   |                  | ✓                | 5.00"(127)            | 12.81"(325) | 2.00"(51) |

### RPT5500 MECHANICAL OUTLINES (MM)



| SERIES                       | (A)             | B              | C             | D              | E               | F              | G             | H             | I             | J             | K             | L                                     | M               | N                   | O             | P              | Q            |
|------------------------------|-----------------|----------------|---------------|----------------|-----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------------------------------|-----------------|---------------------|---------------|----------------|--------------|
| <b>STUDS (5/10A)</b>         | 9.70"<br>(246)  | 4.50"<br>(114) | 2.00"<br>(51) | 4.00"<br>(102) | 8.00"<br>(203)  | 3.50"<br>(89)  | 1.75"<br>(45) | 0.87"<br>(22) | 2.80"<br>(71) | 1.65"<br>(42) | 0.35"<br>(9)  | Ø 0.50"x0.20", 4x<br>(Ø 12.7x5.1, 4x) | STUD,<br>M5, 4x | INSERT,<br>6-32, 4x | 0.38"<br>(10) | 5.25"<br>(133) | 0.25"<br>(6) |
| <b>STUDS (15/25//30/35A)</b> | 12.81"<br>(325) | 5.00"<br>(127) | 2.00"<br>(51) | 4.50"<br>(114) | 11.00"<br>(279) | 4.00"<br>(102) | 2.25"<br>(57) | 0.87"<br>(22) | 3.30"<br>(84) | 1.65"<br>(42) | 1.00"<br>(25) | Ø 0.29"x0.20", 4x<br>(Ø 7.6x5.0, 4x)  | STUD,<br>M5, 4x | INSERT,<br>6-32, 4x | 0.50"<br>(13) | 8.00"<br>(203) | 0.25"<br>(6) |

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

# RPT5500

## TEMPEST/COTS **AC** EMI POWER LINE FILTER

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

| Amps | Freq (MHz) | 0.15 | 0.5 | 1.0 | 10  | 30  |
|------|------------|------|-----|-----|-----|-----|
| 5    | CM (dB)    | 60   | 80  | 100 | 100 | 100 |
|      | DM (dB)    | -    | -   | -   | -   | -   |
| 10   | CM (dB)    | 60   | 80  | 100 | 100 | 100 |
|      | DM (dB)    | -    | -   | -   | -   | -   |
| 15   | CM (dB)    | 60   | 80  | 100 | 100 | 100 |
|      | DM (dB)    | -    | -   | -   | -   | -   |
| 25   | CM (dB)    | 60   | 80  | 100 | 100 | 100 |
|      | DM (dB)    | -    | -   | -   | -   | -   |
| 30   | CM (dB)    | 60   | 80  | 100 | 100 | 100 |
|      | DM (dB)    | -    | -   | -   | -   | -   |
| 35   | CM (dB)    | 60   | 80  | 100 | 100 | 100 |
|      | DM (dB)    | -    | -   | -   | -   | -   |