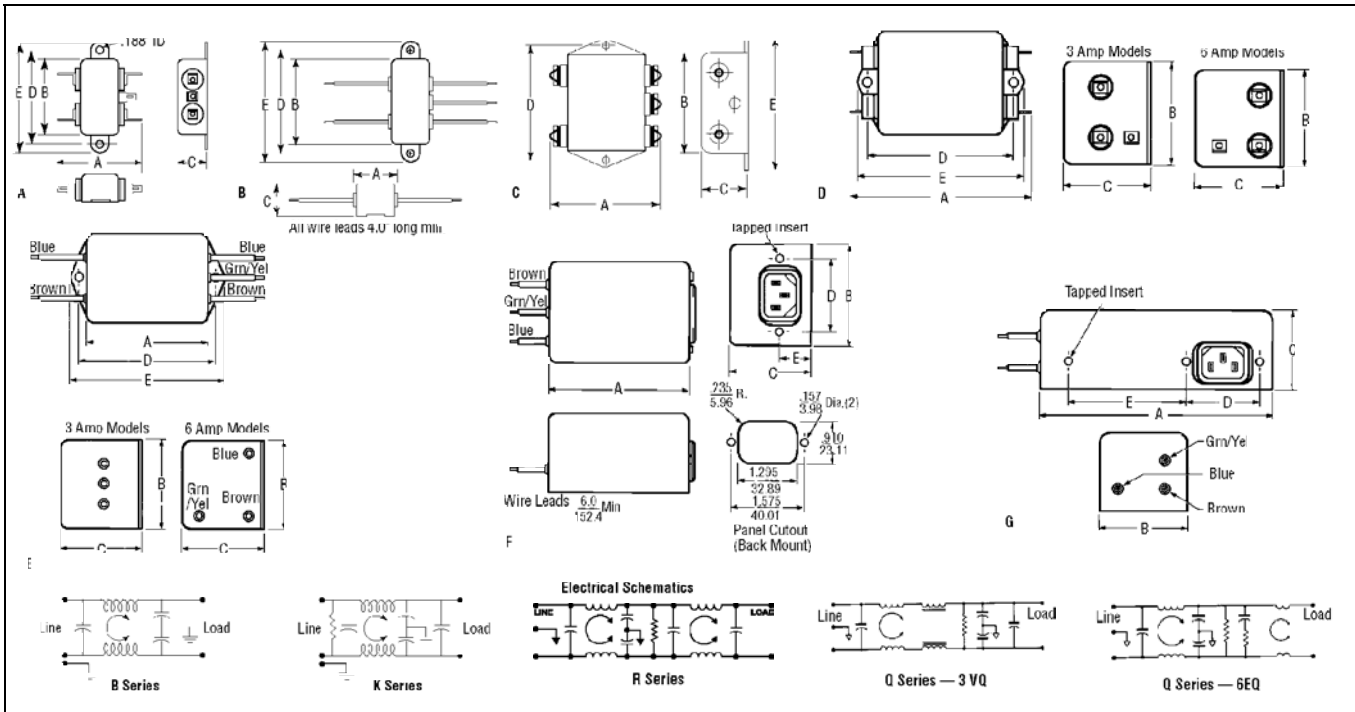


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B Series Filters



1 to 20 Amps; 120/250 Volts AC; 50-60 Hz

B Series RFI power line filters are general purpose low cost filters which provide effective line-to-ground RFI filtering in most applications. **Maximum Leakage Current (Line-To-Ground):** .5 mA at 120 VAC 60 Hz, 1.0 mA at 250 VAC 50 Hz. **Hipot Rating (1 Minute):** Line-to-ground — 2250 VDC; Line-to-line — 1450 VDC. **Operating Frequency:** 50-60 Hz. **Rated Voltage:** 120/250 VAC. Low leakage models and higher maximum line amp units available as custom order. Ask about low cost versions.

| Stock No. | Mfr.'s Type | Fig. | Dimensions — Inches (mm) |             |             |               |             | Max. Line Amp | EACH  |       |       |       |
|-----------|-------------|------|--------------------------|-------------|-------------|---------------|-------------|---------------|-------|-------|-------|-------|
|           |             |      | A                        | B           | C           | D             | E           |               | 1-9   | 10-24 | 25-49 | 50-99 |
| 851-0290  | 1VB1        | A    | 2.25 (57.2)              | 1.82 (46.2) | 0.66 (16.8) | 2.125 (53.98) | 2.53 (64.3) | 1             | 13.53 | 11.83 | 10.52 | 9.47  |
| 851-0302  | 1VB3        | B    | 0.96 (24.4)              | 1.82 (46.2) | 0.66 (16.8) | 2.125 (53.98) | 2.53 (64.3) | 1             | 14.39 | 12.60 | 11.20 | 9.16  |
| 851-0304  | 2VB1        | A    | 2.25 (57.2)              | 1.82 (46.2) | 0.66 (16.8) | 2.125 (53.98) | 2.53 (64.3) | 2             | 12.15 | 10.63 | 9.45  | 8.51  |
| 851-0301  | 3VB1        | A    | 2.61 (66.3)              | 1.82 (46.2) | 0.78 (19.8) | 2.125 (53.98) | 2.53 (64.3) | 3             | 13.64 | 11.93 | 10.61 | 9.55  |
| 851-0303  | 3VB3        | B    | 1.32 (33.5)              | 1.82 (46.2) | 0.78 (19.8) | 2.125 (53.98) | 2.53 (64.3) | 3             | 14.89 | 13.11 | 11.65 | 10.49 |
| 851-0311  | 5VB1        | A    | 2.61 (66.3)              | 1.82 (46.2) | 0.78 (19.8) | 2.125 (53.98) | 2.53 (64.3) | 5             | 13.03 | 11.40 | 10.13 | 9.12  |
| 851-0313  | 5VB3        | B    | 1.32 (33.5)              | 1.82 (46.2) | 0.78 (19.8) | 2.125 (53.98) | 2.53 (64.3) | 5             | 13.37 | 11.70 | 10.40 | 8.51  |
| 851-0321  | 10VB1       | A    | 2.61 (66.3)              | 1.82 (46.2) | 1.16 (29.5) | 2.125 (53.98) | 2.53 (64.3) | 10            | 14.54 | 12.72 | 11.31 | 10.18 |
| 851-0314  | 20VB1       | A    | 3.36 (85.3)              | 2.07 (52.6) | 1.16 (29.5) | 2.375 (60.33) | 2.81 (71.4) | 20            | 22.30 | 19.71 | 17.52 | 15.77 |

K Series Filters



1 to 20 Amps; 120/250 Volts AC, 50-60 Hz

K Series RFI filters are general purpose filters which provide line-to-line filtering in addition to normal line-to-ground attenuation of RFI. Particularly suited where pulsed, continuous and/or intermittent RF interference is present in your application. **Maximum Leakage Current (Line-To-Ground):** .5 mA at 120 VAC 60 Hz, 1.0 mA at 250 VAC 50 Hz. **Hipot Rating (1 Minute):** Line-to-ground — 2250 VDC; Line-to-line — 1450 VDC. **Operating Frequency:** 50-60 Hz. Low leakage models and higher maximum line amp units available as custom order. Ask about low cost versions.

| Stock No. | Mfr.'s Type | Fig. | Dimensions — Inches (mm) |             |             |               |             | Max. Line Amp | EACH  |       |       |       |
|-----------|-------------|------|--------------------------|-------------|-------------|---------------|-------------|---------------|-------|-------|-------|-------|
|           |             |      | A                        | B           | C           | D             | E           |               | 1-9   | 10-24 | 25-49 | 50-99 |
| 851-0319  | 1VK1        | A    | 3.10 (78.7)              | 2.07 (52.6) | 0.91 (23.1) | 2.375 (60.33) | 2.81 (71.4) | 1             | 17.92 | 15.84 | 14.08 | 12.67 |
| 851-0322  | 2VK1        | A    | 3.10 (78.7)              | 2.07 (52.6) | 0.91 (23.1) | 2.375 (60.33) | 2.81 (71.4) | 2             | 15.41 | 10.78 | 9.71  | 8.90  |
| 851-0324  | 2VK3        | B    | 1.81 (46.0)              | 2.07 (52.6) | 0.91 (23.1) | 2.375 (60.33) | 2.81 (71.4) | 2             | 16.62 | 14.69 | 13.06 | 11.75 |
| 851-0323  | 3VK1        | A    | 3.10 (78.7)              | 2.07 (52.6) | 1.16 (29.5) | 2.375 (60.33) | 2.81 (71.4) | 3             | 18.30 | 16.17 | 14.37 | 12.93 |
| 851-0320  | 3VK3        | B    | 1.81 (46.0)              | 2.07 (52.6) | 1.16 (29.5) | 2.375 (60.33) | 2.81 (71.4) | 3             | 18.35 | 16.70 | 14.85 | 13.36 |
| 851-0325  | 5VK1        | A    | 3.10 (78.7)              | 2.07 (52.6) | 1.16 (29.5) | 2.375 (60.33) | 2.81 (71.4) | 5             | 15.67 | 13.85 | 12.31 | 11.08 |
| 851-0326  | 5VK3        | B    | 1.81 (46.0)              | 2.07 (52.6) | 1.16 (29.5) | 2.375 (60.33) | 2.81 (71.4) | 5             | 17.66 | 15.61 | 13.87 | 12.49 |
| 851-0330  | 10VK1       | A    | 3.35 (85.1)              | 2.07 (52.6) | 1.16 (29.5) | 2.375 (60.33) | 2.81 (71.4) | 10            | 16.54 | 14.61 | 12.99 | 11.69 |
| 851-0331  | 20VK1       | A    | 3.35 (85.1)              | 2.56 (65.0) | 1.53 (38.9) | 2.938 (74.63) | 3.35 (85.1) | 20            | 24.93 | 22.03 | 19.58 | 17.63 |
| 851-0346  | 20VK6       | C    | 3.46 (87.9)              | 2.56 (65.0) | 1.53 (38.9) | 2.938 (74.63) | 3.35 (85.1) | 20            | 28.25 | 25.47 | 22.64 | 20.38 |

R Series Filters



1 to 20 Amps; 120/250 Volts AC, 50-60 Hz

R Series RFI filters are premium performance dual stage filters suited for low impedance loads. Particularly suited where pulsed, continuous and/or intermittent RF interference is present in your application. **Maximum Leakage Current (Line-To-Ground):** .4 mA at 120 VAC 60 Hz, .7 mA at 250 VAC 50 Hz. **Hipot Rating (1 Minute):** Line-to-ground — 2250 VDC; Line-to-line — 1450 VDC. **Operating Frequency:** 50-60 Hz. Low leakage models and higher maximum line amp units available as custom order.

| Stock No. | Mfr.'s Type | Fig. | Dimensions — Inches (mm) |             |             |               |              | Max. Line Amp | EACH  |       |       |       |
|-----------|-------------|------|--------------------------|-------------|-------------|---------------|--------------|---------------|-------|-------|-------|-------|
|           |             |      | A                        | B           | C           | D             | E            |               | 1-9   | 10-24 | 25-49 | 50-99 |
| 851-0351  | 1VR1        | D    | 3.35 (85.1)              | 1.81 (46.0) | 1.16 (29.5) | 2.375 (60.33) | 2.78 (70.6)  | 1             | 24.45 | 21.60 | 19.20 | 17.28 |
| 851-0352  | 2VR1        | D    | 3.35 (85.1)              | 1.81 (46.0) | 1.16 (29.5) | 2.375 (60.33) | 2.78 (70.6)  | 2             | 22.14 | 19.56 | 17.39 | 15.65 |
| 851-0353  | 3VR1        | D    | 3.35 (97.8)              | 2.07 (52.6) | 1.16 (29.5) | 2.938 (74.63) | 3.35 (85.1)  | 3             | 23.75 | 20.99 | 18.65 | 16.79 |
| 851-0354  | 5VR1        | D    | 3.35 (97.8)              | 2.07 (52.6) | 1.16 (29.5) | 2.938 (74.63) | 3.35 (85.1)  | 5             | 21.90 | 19.74 | 17.54 | 15.79 |
| 851-0360  | 10VR1       | D    | 3.35 (97.8)              | 2.07 (52.6) | 1.53 (38.9) | 2.938 (74.63) | 3.35 (85.1)  | 10            | 22.98 | 20.70 | 18.41 | 15.06 |
| 851-0361  | 20VR1       | D    | 5.23 (132.8)             | 3.37 (85.6) | 1.53 (38.9) | 3.750 (95.25) | 4.20 (106.7) | 20            | 56.30 | 50.23 | 44.65 | 40.19 |
| 851-0365  | 20VR6       | C    | 5.34 (135.6)             | 3.37 (85.6) | 1.53 (38.9) | 3.750 (95.25) | 4.20 (106.7) | 20            | 57.77 | 51.56 | 45.83 | 41.25 |

Q Series Filters



The Q Series has been developed specifically for switching power supplies and is designed to filter the power line to control conducted emissions all the way down to 10 KHz. High attenuation is provided for both common mode and differential mode interference throughout the frequency range with no degradation of performance due to the large peak currents drawn by switching power supplies. These filters are ideal for applications that must meet VDE 0871 below 150 KHz as well as above 150 KHz. The EQ models meet the very low leakage current requirements of VDE portable equipment and UL544 nonpatient medical equipment. The VQ models offer higher common mode performance at the expense of higher leakage current, but meet the leakage current limits of UL, CSA, and VDE nonportable equipment.

| Stock No. | Mfr.'s Type | Fig. | Dimensions — Inches (mm) |             |             |               |              | Max. Line Amp | EACH  |       |       |       |
|-----------|-------------|------|--------------------------|-------------|-------------|---------------|--------------|---------------|-------|-------|-------|-------|
|           |             |      | A                        | B           | C           | D             | E            |               | 1-9   | 10-24 | 25-49 | 50-99 |
| 851-0210  | 3VQ1        | D    | 3.85 (97.8)              | 2.07 (52.6) | 1.78 (45.2) | 2.938 (74.63) | 3.34 (84.8)  | 3             | 49.72 | 44.37 | 39.44 | 35.50 |
| 851-0214  | 3VQ8        | F    | 3.07 (78.0)              | 2.25 (57.2) | 1.78 (45.2) | 1.575 (40.01) | 0.63 (16.0)  | 3             | 54.24 | 48.40 | 43.02 | 38.72 |
| 851-0216  | 6EQ1        | D    | 4.98 (126.5)             | 2.27 (57.7) | 1.80 (45.7) | 4.063 (103.2) | 4.40 (113.5) | 6             | 73.90 | 65.94 | 58.62 | 52.75 |
| 851-0218  | 6EQ3        | E    | 3.69 (93.7)              | 2.27 (57.7) | 1.80 (45.7) | 4.063 (103.2) | 4.47 (113.5) | 6             | 73.90 | 65.94 | 58.62 | 52.75 |
| 851-0220  | 6EQ8        | G    | 5.47 (138.9)             | 2.07 (52.6) | 1.78 (45.2) | 1.575 (40.01) | 2.70 (68.6)  | 6             | 80.18 | 71.55 | 63.60 | 57.24 |
| 851-0222  | 20VQ1       | D    | 6.66 (168.1)             | 2.07 (52.6) | 2.28 (57.9) | 5.625 (142.9) | 6.03 (153.2) | 20            | 94.41 | 84.25 | 74.89 | 67.40 |
| 851-0224  | 20EQ1       | D    | 6.66 (168.1)             | 2.07 (52.6) | 2.28 (57.9) | 5.625 (142.9) | 6.00 (153.2) | 20            | 94.41 | 84.25 | 74.89 | 67.40 |

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