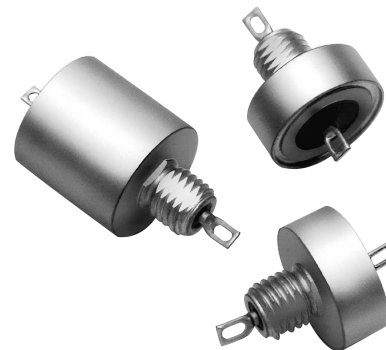


This series of filters features hermetic glass seals and high EMI filtering performance. They are excellent for critical applications that demand high reliability in the toughest environmental conditions and provide broad-band high performance EMI filtering from 10 KHz to over 10 GHz.

- MIL-PRF-15733 and DSCC 84084 QPL filters available
- Voltage ratings from 50 V to 400 VDC/240 AC, 400 Hz
- Impervious to high moisture environments, solvents and severe environmental conditions
- High temperature terminal construction
- D-slotted bushings
- High reliability testing available



## Product Specifications

See page 2 for physical dimensions

### .690 ø Pi Circuit Standard

| Part Number  | MIL No | Figure | Rated Voltage |     |       |      | I Amp | Min Cap $\mu$ F | DCR Max Ohms | Max L |          | Minimum Insertion Loss (dB) |         |         |       |        |         |       |
|--------------|--------|--------|---------------|-----|-------|------|-------|-----------------|--------------|-------|----------|-----------------------------|---------|---------|-------|--------|---------|-------|
|              |        |        | 85°C          |     | 125°C |      |       |                 |              | In    | (mm)     | 30 KHz                      | 150 KHz | 300 KHz | 1 MHz | 10 MHz | 100 MHz | 1 GHz |
| 51-321-322   | —      | 1      | 150           | —   | 100   | —    | 1.00  | 2.800           | 0.210        | 1.195 | (30.353) | 35                          | 70      | 70      | 70    | 70     | 70      | 70    |
| SCI-6130-009 | —      | 1      | 150           | —   | 100   | —    | 20.0  | 5.200           | 0.001        | 1.195 | (30.353) | 23                          | 31      | 35      | 35    | 70     | 70      | 70    |
| 51-321-317   | —      | 1      | 450           | 240 | 400   | *240 | 1.00  | 0.720           | 0.400        | 1.195 | (30.353) | —                           | 53      | 70      | 70    | 70     | 70      | 70    |
| 51-321-318   | —      | 1      | 450           | 240 | 400   | *240 | 3.00  | 0.720           | 0.030        | 1.195 | (30.353) | —                           | 31      | 56      | 70    | 70     | 70      | 70    |
| 51-321-319   | —      | 1      | 450           | 240 | 400   | *240 | 5.00  | 0.720           | 0.020        | 1.195 | (30.353) | —                           | 17      | 40      | 70    | 70     | 70      | 70    |

### .690 ø Pi Circuit MIL Qualified

| Part Number | M15733<br>MIL<br>No | Figure | Rated Voltage |   |       |     | I<br>Amp | Min<br>Cap<br>μF | DCR<br>Max<br>Ohms | Max<br>L |          | Minimum Insertion Loss (dB) |            |            |          |           |            |          |
|-------------|---------------------|--------|---------------|---|-------|-----|----------|------------------|--------------------|----------|----------|-----------------------------|------------|------------|----------|-----------|------------|----------|
|             |                     |        | 85°C          |   | 125°C |     |          |                  |                    | In       | (mm)     | 30<br>KHz                   | 150<br>KHz | 300<br>KHz | 1<br>MHz | 10<br>MHz | 100<br>MHz | 1<br>GHz |
| 51-321-312  | 27-0004             | 1      | —             | — | 200   | 125 | 1.00     | 0.500            | 0.250              | 1.195    | (30.353) | —                           | 47         | 65         | 80       | 80        | 70         | 70       |
| 51-323-313  | 27-0003             | 1      | —             | — | 200   | 125 | 1.00     | 0.500            | 0.270              | 1.031    | (26.187) | —                           | 43         | 61         | 80       | 80        | 70         | 70       |
| 51-321-313  | 27-0010             | 1      | —             | — | 200   | 125 | 5.00     | 0.500            | 0.024              | 1.195    | (30.353) | —                           | 10         | 28         | 64       | 80        | 70         | 70       |
| 51-321-314  | 27-0013             | 1      | —             | — | 200   | 125 | 10.0     | 0.500            | 0.008              | 1.195    | (30.353) | —                           | 16         | 18         | 48       | 80        | 70         | 70       |
| 51-321-329  | 34-0005             | 1      | —             | — | 200   | 125 | 10.0     | 0.500            | 0.075              | 1.195    | (30.353) | —                           | 16         | 18         | 48       | 80        | 70         | 70       |

### .690 ø Pi Circuit DSCC 84084 Product

| Part Number | 84084 No | Figure | Rated Voltage |   |       |     | I<br>Amp | Min<br>Cap<br>μF | DCR<br>Max<br>Ohms | Max<br>L |           | Minimum Insertion Loss (dB) |            |            |          |           |            |          |
|-------------|----------|--------|---------------|---|-------|-----|----------|------------------|--------------------|----------|-----------|-----------------------------|------------|------------|----------|-----------|------------|----------|
|             |          |        | 85°C          |   | 125°C |     |          |                  |                    | In       | L<br>(mm) | 30<br>KHz                   | 150<br>KHz | 300<br>KHz | 1<br>MHz | 10<br>MHz | 100<br>MHz | 1<br>GHz |
| 51-321-398  | -013     | 2      | —             | — | 400   | 230 | 1.00     | 0.200            | 0.150              | 1.200    | (30.480)  | —                           | 27         | 46         | 74       | 80        | 80         | 80       |
| 51-321-399  | -014     | 2      | —             | — | 400   | 230 | 3.00     | 0.200            | 0.026              | 1.200    | (30.480)  | —                           | —          | 30         | 60       | 80        | 80         | 80       |
| 51-321-400  | -015     | 2      | —             | — | 400   | 230 | 5.00     | 0.200            | 0.013              | 1.200    | (30.480)  | —                           | —          | 12         | 50       | 80        | 80         | 80       |
| 51-321-401  | -016     | 2      | —             | — | 400   | 230 | 10.0     | 0.200            | 0.008              | 1.200    | (30.480)  | —                           | —          | —          | 30       | 80        | 80         | 80       |

Physical Dimensions

