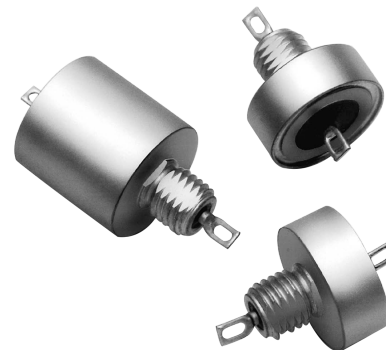


This series of filters features hermetic glass seals and high EMI filtering performance. They are excellent for critical applications that demand high reliability in the toughest environmental conditions and provide broad-band high performance EMI filtering from 10 KHz to over 10 GHz.

- MIL-PRF-15733 and MIL-PRF-28861QPL 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

### .375 ø C Circuit Standard

| Part Number   | MIL No | See Pg.2 for Fig. | Rated Voltage |   |       |     | I Amp | Min Cap µF | DCR Max Ohms | Max L |          | Thd Lgth | Minimum Insertion Loss (dB) |         |         |       |        |         |       |  |
|---------------|--------|-------------------|---------------|---|-------|-----|-------|------------|--------------|-------|----------|----------|-----------------------------|---------|---------|-------|--------|---------|-------|--|
|               |        |                   | 85°C          |   | 125°C |     |       |            |              | In    | (mm)     |          | 30 KHz                      | 150 KHz | 300 KHz | 1 MHz | 10 MHz | 100 MHz | 1 GHz |  |
| 54-367-008    | —      | 1                 | 80            | — | 50    | —   | 15    | 1.400      | 0.005        | 0.345 | (8.763)  | A        | 15                          | 28      | 33      | 44    | 60     | 70      | 70    |  |
| 54-370-007    | —      | 1                 | 80            | — | 50    | —   | 15    | 2.800      | 0.005        | 0.450 | (11.43)  | A        | 20                          | 34      | 39      | 50    | 60     | 70      | 70    |  |
| 54-371-001    | —      | 1                 | 80            | — | 50    | —   | 15    | 4.000      | 0.005        | 0.630 | (16.002) | A        | 26                          | 40      | 46      | 55    | 60     | 70      | 70    |  |
| 54-367-005    | —      | 1                 | 150           | — | 100   | —   | 15    | 0.450      | 0.005        | 0.387 | (9.830)  | A        | 6                           | 19      | 25      | 36    | 55     | 70      | 70    |  |
| 9920-100-6002 | —      | 1                 | 200           | — | 150   | 125 | 15    | 0.150      | 0.005        | 0.360 | (9.144)  | A        | —                           | 6       | 15      | 26    | 42     | 55      | 70    |  |
| 54-367-007    | —      | 1                 | 250           | — | 200   | 125 | 15    | 0.015      | 0.005        | 0.387 | (9.830)  | A        | —                           | —       | —       | 6     | 25     | 45      | 50    |  |
| 54-367-006    | —      | 1                 | 250           | — | 200   | 125 | 15    | 0.250      | 0.005        | 0.400 | (10.16)  | A        | —                           | 14      | 19      | 30    | 50     | 65      | 70    |  |
| 54-370-006    | —      | 1                 | 250           | — | 200   | 125 | 15    | 0.500      | 0.005        | 0.630 | (16.002) | A        | 7                           | 20      | 28      | 39    | 55     | 70      | 70    |  |
| 9923-100-6004 | —      | 1                 | 400           | — | 400   | 240 | 15    | 0.060      | 0.005        | 0.410 | (10.414) | A        | —                           | 5       | 10      | 18    | 38     | 55      | 70    |  |

### .375 ø C Circuit MIL Qualified

Note: Max. O.D. is ø .416" for Military QPL Filters.

| Part Number | M15733<br>M28861<br>MIL No | See<br>Pg.2<br>for Fig. | Rated Voltage |   |       |     | I<br>Amp | Min<br>Cap<br>µF | DCR<br>Max<br>Ohms | Max<br>L |          | Thd<br>Lgth | 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 |  |
| 54-367-054  | 1-012                      | 1                       | —             | — | 50    | —   | 15       | 1.200            | 0.008              | 0.410    | (10.414) | B           | 15                          | 28         | 33         | 40       | 40        | 70         | 70       |  |
| 54-367-049  | 1-002                      | 1                       | —             | — | 50    | —   | 15       | 1.200            | 0.008              | 0.410    | (10.414) | A           | 15                          | 28         | 33         | 40       | 40        | 70         | 70       |  |
| 54-370-032  | 49-0008                    | 1                       | —             | — | 50    | —   | 15       | 2.100            | 0.010              | 0.576    | (14.630) | A           | 20                          | 33         | 40         | 50       | 65        | 70         | 70       |  |
| 54-367-055  | 1-014                      | 1                       | —             | — | 70    | —   | 15       | 0.700            | 0.008              | 0.410    | (10.414) | B           | 10                          | 24         | 30         | 40       | 40        | 64         | 70       |  |
| 54-370-030  | 34-0035                    | 2                       | —             | — | 100   | —   | 10       | 0.300            | 0.004              | 0.400    | (10.16)  | A           | 7                           | 19         | 25         | 35       | 55        | 70         | 70       |  |
| 54-367-051  | 1-006                      | 1                       | —             | — | 100   | —   | 15       | 0.450            | 0.008              | 0.410    | (10.414) | A           | 6                           | 19         | 25         | 36       | 40        | 60         | 70       |  |
| 54-367-056  | 1-016                      | 1                       | —             | — | 100   | —   | 15       | 0.450            | 0.008              | 0.410    | (10.414) | B           | 6                           | 19         | 25         | 36       | 40        | 60         | 70       |  |
| 54-367-057  | 1-018                      | 1                       | —             | — | 150   | —   | 15       | 0.250            | 0.008              | 0.410    | (10.414) | B           | —                           | 14         | 20         | 31       | 40        | 56         | 70       |  |
| 54-367-053  | 1-010                      | 1                       | —             | — | 200   | 125 | 15       | 0.150            | 0.008              | 0.410    | (10.414) | A           | —                           | 10         | 16         | 26       | 40        | 52         | 70       |  |
| 54-367-058  | 1-020                      | 1                       | —             | — | 200   | 125 | 15       | 0.150            | 0.008              | 0.410    | (10.414) | B           | —                           | 10         | 16         | 26       | 40        | 52         | 70       |  |
| 54-370-034  | 49-0010                    | 1                       | —             | — | 330   | —   | 15       | 0.062            | 0.004              | 0.680    | (17.272) | A           | —                           | 2          | 7          | 17       | 37        | 55         | 70       |  |

Physical Dimensions

