

These EMI filters are easily mounted in a tapped hole or through-hole using the supplied nut and lock washer. The rugged case, featuring resin seals at both ends, provides excellent environmental protection. Primarily used in filtering signal/data lines and DC power lines. RoHS versions available.

## Product Specifications

| Part Number  | MIL-PRF-15733 Number | Fig. | Rated Voltage 125°C |     | I Amp | CKT | Min Cap  | H     |        | L     |         | Minimum Insertion Loss (dB) |       |        |        |         |         |       |        |
|--------------|----------------------|------|---------------------|-----|-------|-----|----------|-------|--------|-------|---------|-----------------------------|-------|--------|--------|---------|---------|-------|--------|
|              |                      |      | DC                  | AC  |       |     |          | In    | (mm)   | In    | (mm)    | 1 MHz                       | 3 MHz | 10 MHz | 30 MHz | 100 MHz | 300 MHz | 1 GHz | 10 GHz |
|              |                      |      |                     |     |       |     |          |       |        |       |         |                             |       |        |        |         |         |       |        |
| 51-712-069   | —                    | 2    | 50                  | —   | 10    | Pi  | 0.012 μF | 0.265 | (6.73) | 0.413 | (10.49) | 5                           | 9     | 18     | 45     | 65      | 70      | 70    | 70     |
| 51-712-065   | /61-0014             | 4    | 50                  | —   | 20    | Pi  | 0.012 μF | 0.310 | (7.87) | 0.490 | (12.45) | —                           | 10    | 20     | 30     | 65      | 70      | 70    | 70     |
| 1250-054     | —                    | 2    | 70                  | —   | 10    | Pi  | 5000 pF  | 0.312 | (7.92) | 0.500 | (12.70) | —                           | —     | 20     | 30     | 65      | 65      | 70    | 70     |
| 1293-001     | —                    | 3    | 70                  | —   | 10    | Pi  | 0.028 μF | —     | —      | —     | —       | 10                          | 14    | 38     | 65     | 75      | 75      | 75    | 75     |
| 51-712-055   | /43-0002             | 2    | 100                 | 70  | 10    | Pi  | 3000 pF  | 0.312 | (7.92) | 0.578 | (14.68) | —                           | —     | 5      | 15     | 45      | 50      | 50    | 50     |
| 51-712-014   | /28-0001             | 2    | 100                 | 70  | 10    | Pi  | 3000 pF  | 0.312 | (7.92) | 0.890 | (22.61) | —                           | —     | 5      | 15     | 45      | 60      | 60    | 60     |
| 51-712-028   | /28-0002             | 5    | 100                 | 70  | 10    | Pi  | 3000 pF  | —     | —      | —     | —       | —                           | —     | 5      | 15     | 45      | 60      | 60    | 60     |
| 51-712-063*  | /61-0008             | 2    | 100                 | 70  | 10    | Pi  | 5500 pF  | 0.312 | (7.92) | 0.500 | (12.70) | —                           | —     | 15     | 35     | 65      | 70      | 70    | 70     |
| 51-712-003 ◊ | —                    | 2    | 100                 | —   | 10    | LB  | 0.022 μF | 0.280 | (7.11) | 0.850 | (21.59) | 7                           | 17    | 27     | 34     | 43      | 50      | 60    | 60     |
| 51-712-060 ◊ | /28-0004             | 2    | 100                 | 70  | 10    | LB  | 0.022 μF | 0.312 | (7.92) | 0.890 | (22.61) | 10                          | 17    | 28     | 34     | 41      | 50      | 60    | 60     |
| 51-712-067   | /61-0013             | 2    | 100                 | —   | 10    | LB  | 0.031 μF | 0.280 | (7.11) | 0.890 | (22.61) | 10                          | 20    | 30     | 38     | 42      | 52      | 60    | 60     |
| 51-762-006   | /44-0003             | 6    | 125                 | 85  | 15    | Pi  | 65 pF    | —     | —      | —     | —       | —                           | —     | —      | —      | —       | —       | 16    | 42     |
| 51-762-005   | /44-0002             | 6    | 125                 | 85  | 15    | Pi  | 1500 pF  | —     | —      | —     | —       | —                           | —     | 5      | 15     | 20      | 35      | 50    | 50     |
| 51-744-003*  | /44-0001             | 1    | 125                 | 85  | 15    | Pi  | 3000 pF  | —     | —      | —     | —       | —                           | —     | 10     | 15     | 30      | 40      | 65    | 65     |
| SCI-3223-000 | —                    | 2    | 200                 | 115 | 10    | Pi  | 2000 pF  | 0.312 | (7.92) | 0.890 | (22.61) | —                           | —     | 8      | 10     | 48      | 50      | 70    | 70     |
| 51-712-001*  | —                    | 2    | 200                 | —   | 10    | Pi  | 3000 pF  | 0.312 | (7.92) | 0.890 | (22.61) | —                           | —     | 5      | 15     | 42      | 65      | 70    | 70     |
| 1250-049     | —                    | 2    | 200                 | —   | 10    | Pi  | 3000 pF  | 0.312 | (7.92) | 0.578 | (14.68) | —                           | —     | 6      | 15     | 45      | 60      | 60    | 60     |
| 51-744-002 ◊ | —                    | 2    | 200                 | —   | 10    | Pi  | 5500 pF  | 0.265 | (6.73) | 0.413 | (10.49) | —                           | 7     | 14     | 30     | 55      | 70      | 70    | 70     |
| 1293-000     | —                    | 3    | 200                 | —   | 10    | Pi  | 0.012 μF | —     | —      | —     | —       | 3                           | 10    | 27     | 40     | 65      | 70      | 70    | 70     |

\* Denotes parts with turret lead.

$\diamond$  Supplied with .040" (1.02mm) diameter lead.

