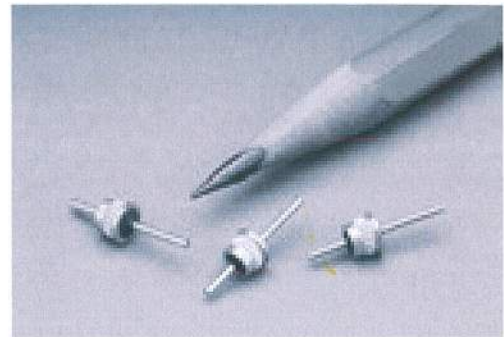
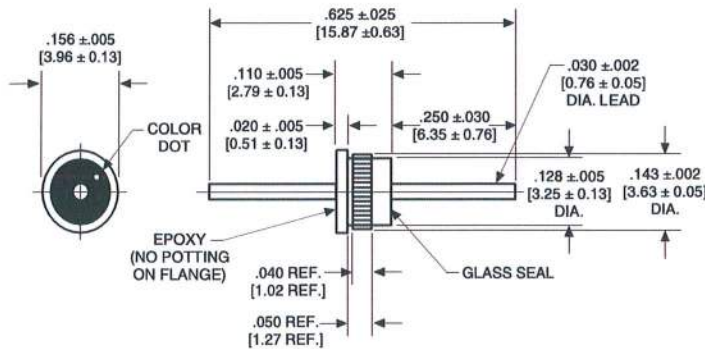


## No Solder/Press-In C Filters

## 4304 Series - C Filters



Tusonix Press-In Ceramic EMI filters suppress unwanted EMI and allow a fast, mechanical bonding that is free from soldering. And, by offering an excellent alternative to the traditional soldering installation, these finely designed, knurled filters significantly reduce assembly costs.

These EMI filters cover a variety of voltage, attenuation and capacitance ranges in a press-in mounting style.

Product installation recommendations (X-2656/9) are provided with parts to prevent damage to the component during installation.



### Installation tool

| Tool Part No. | Item No. | Filter Type |
|---------------|----------|-------------|
| 4300-314      | 1        | 4304        |

(Ordering Example for 4304 filter tool: 4300-314-1)

Installation Tool: Ordering Information to right.

| TUSONIX Part Number                            | Circuit | Working Voltage (dc) |       | Capacitance (pF) | Capacitance Tolerance | Current (A) | Minimum No-Load Insertion Loss (dB) at 25°C per MIL-Std-220 |       |        |      |       | Color Code  |
|--|---------|----------------------|-------|------------------|-----------------------|-------------|---|-------|--------|------|-------|-------------|
|  |         | 85°C                 | 125°C |                  |                       |             | 1MHz  | 10MHz | 100MHz | 1GHz | 10GHz |             |
| Epoxy Sealed Top (flange)/ Glass Sealed Bottom |         |                      |       |                  |                       |             |   |       |        |      |       |             |
| 4304-000                                       | C       | 300                  | 200   | 10               | +100-0%               | 5           | --  | --    | --     | 5    | 20    | VIOLET      |
| 4304-001                                       | C       | 300                  | 200   | 25               | +100-0%               | 5           | --  | --    | --     | 10   | 25    | BLUE        |
| 4304-002                                       | C       | 300                  | 200   | 500              | +100-0%               | 5           | --  | --    | 15     | 35   | 40    | BROWN       |
| 4304-003                                       | C       | 300                  | 200   | 100              | +100-0%               | 5           | --  | --    | 3      | 20   | 28    | GREEN       |
| 4304-004                                       | C       | 300                  | 200   | 1000             | +100-0%               | 5           | --  | 5     | 20     | 35   | 45    | GRAY        |
| 4304-005                                       | C       | 300                  | 200   | 1200             | +100-0%               | 5           | --  | 5     | 20     | 35   | 45    | WHITE       |
| 4304-006                                       | C       | 150                  | 100   | 2700             | +100-0%               | 5           | --  | 10    | 25     | 40   | 50    | RED         |
| 4304-007                                       | C       | 150                  | 100   | 5000             | +100-0%               | 5           | --  | 15    | 30     | 45   | 55    | YELLOW      |
| 4304-008                                       | C       | 50                   | 50    | 10000            | +100-0%               | 5           | 4   | 21    | 35     | 50   | 60    | BLACK       |
| 4304-009                                       | C       | 70                   | 50    | 15000            | +100-0%               | 5           | 7   | 20    | 35     | 55   | 60    | ORANGE      |
| 4304-010                                       | C       | 70                   | 50    | 27000            | +100-0%               | 5           | 10  | 28    | 42     | 65   | 65    | RED-RED     |
| 4304-011                                       | C       | 50                   | 50    | 50000            | +100-0%               | 5           | 15  | 35    | 45     | 70   | --    | BLUE-BLUE   |
| 4304-681                                       | C       | 300                  | 200   | 5                | MAX                   | 5           | --  | --    | --     | --   | --    | BLACK-BLACK |

The products listed in this catalog are only a few of the thousands of variations that TUSONIX produces. For custom component design, please contact the factory direct.



No Solder/Press-In EMI Filters

4306 Series - C Filters

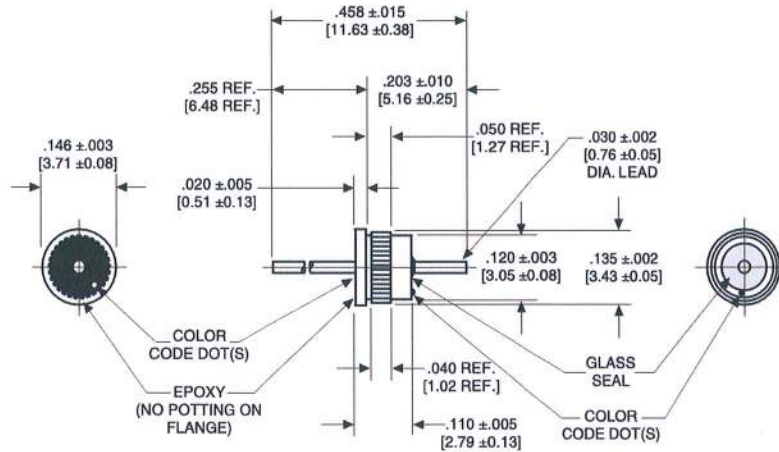
Installation tool



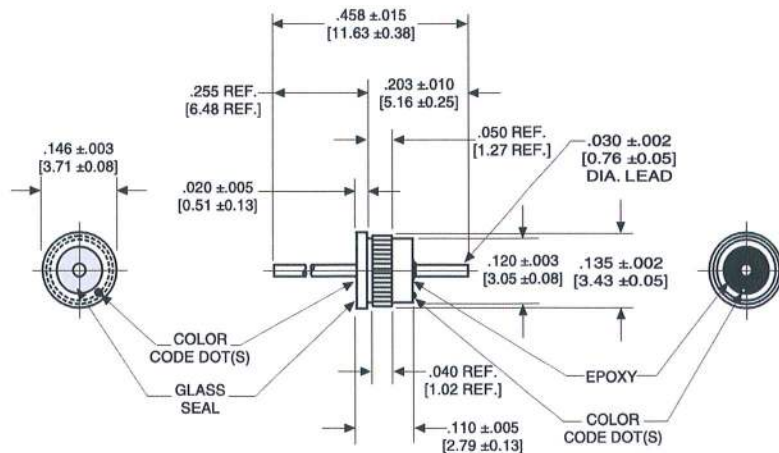
Installation tool

| Tool Part No. | Item No. | Filter Type |
|---------------|----------|-------------|
| 4300-314      | 2        | 4306        |

(Ordering Example for 4306 filter tool: 4300-314-2)



Style 1



Style 2

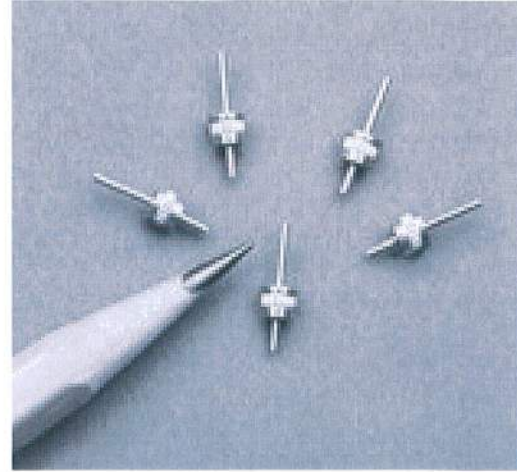


## 4306 Series - C Filters

## No Solder/Press-In C Filters

TUSONIX's Press-In EMI filters are excellent for a variety of microwave and RF applications that include:

- attenuators
- oscillators
- synthesizers
- combiners



| TUSONIX Part Number                                   | Style | Circuit | Working Voltage (dc) |       | Capacitance (pF) | Capacitance Tolerance | Current (A) | Minimum No-Load Insertion Loss (dB) at 25°C per MIL-Std-220 |       |        |      |       | Color Code    |
|---|-------|---------|----------------------|-------|------------------|-----------------------|-------------|---|-------|--------|------|-------|---------------|
|   |       |         | 85°C                 | 125°C |                  |                       |             | 1MHz  | 10MHz | 100MHz | 1GHz | 10GHz |               |
| <b>Epoxy Sealed Top (flange)/ Glass Sealed Bottom</b> |       |         |                      |       |                  |                       |             |   |       |        |      |       |               |
| 4306-010  | 1     | C       | 50                   | 50    | 10000            | +100-0%               | 5           | 4   | 21    | 35     | 50   | 60    | BLACK         |
| 4306-011  | 1     | C       | 70                   | 50    | 27000            | +100-0%               | 5           | 10  | 28    | 42     | 65   | 65    | RED-RED       |
| 4306-030  | 1     | C       | 150                  | 100   | 2700             | +100-0%               | 5           | --  | 10    | 25     | 40   | 50    | RED           |
| 4306-004  | 1     | C       | 150                  | 100   | 5000             | +100-0%               | 5           | --  | 15    | 30     | 45   | 55    | YELLOW        |
| 4306-012  | 1     | C       | 300                  | 200   | 5                | +100-0%               | 5           | --  | --    | --     | --   | 5     | BLUE-BLUE     |
| 4306-680  | 1     | C       | 300                  | 200   | 5                | MAX                   | 5           | --  | --    | --     | --   | --    | BLACK-BLACK   |
| 4306-028  | 1     | C       | 300                  | 200   | 10               | +100-0%               | 5           | --  | --    | --     | 5    | 20    | VIOLET        |
| 4306-006  | 1     | C       | 300                  | 200   | 25               | +100-0%               | 5           | --  | --    | --     | 10   | 25    | BLUE          |
| 4306-005  | 1     | C       | 300                  | 200   | 50               | +100-0%               | 5           | --  | --    | --     | 10   | 25    | BROWN-BROWN   |
| 4306-029  | 1     | C       | 300                  | 200   | 100              | +100-0%               | 5           | --  | --    | 3      | 20   | 28    | GREEN         |
| 4306-007  | 1     | C       | 300                  | 200   | 250              | +100-0%               | 5           | --  | --    | 5      | 22   | 30    | YELLOW-YELLOW |
| 4306-003  | 1     | C       | 300                  | 200   | 500              | +100-0%               | 5           | --  | --    | 15     | 35   | 40    | BROWN         |
| 4306-008  | 1     | C       | 300                  | 200   | 1000             | +100-0%               | 5           | --  | 5     | 20     | 35   | 45    | GRAY          |
| 4306-009  | 1     | C       | 300                  | 200   | 1500             | +100-0%               | 5           | --  | 5     | 22     | 35   | 45    | GREEN-GREEN   |
| <b>Glass Sealed Top (flange)/ Epoxy Sealed Bottom</b> |       |         |                      |       |                  |                       |             |   |       |        |      |       |               |
| 4306-023  | 2     | C       | 50                   | 50    | 10000            | +100-0%               | 5           | 4   | 21    | 35     | 50   | 60    | BLACK         |
| 4306-024  | 2     | C       | 70                   | 50    | 27000            | +100-0%               | 5           | 10  | 28    | 42     | 65   | 65    | RED-RED       |
| 4306-015  | 2     | C       | 150                  | 100   | 2700             | +100-0%               | 5           | --  | 10    | 25     | 40   | 50    | RED           |
| 4306-017  | 2     | C       | 150                  | 100   | 5000             | +100-0%               | 5           | --  | 15    | 30     | 45   | 55    | YELLOW        |
| 4306-025  | 2     | C       | 300                  | 200   | 5                | +100-0%               | 5           | --  | --    | --     | --   | 5     | BLUE-BLUE     |
| 4306-681  | 2     | C       | 300                  | 200   | 5                | MAX                   | 5           | --  | --    | --     | --   | --    | BLACK-BLACK   |
| 4306-013  | 2     | C       | 300                  | 200   | 10               | +100-0%               | 5           | --  | --    | --     | 5    | 20    | VIOLET        |
| 4306-019  | 2     | C       | 300                  | 200   | 25               | +100-0%               | 5           | --  | --    | --     | 10   | 25    | BLUE          |
| 4306-018  | 2     | C       | 300                  | 200   | 50               | +100-0%               | 5           | --  | --    | --     | 10   | 25    | BROWN-BROWN   |
| 4306-014  | 2     | C       | 300                  | 200   | 100              | +100-0%               | 5           | --  | --    | 3      | 20   | 28    | GREEN         |
| 4306-020  | 2     | C       | 300                  | 200   | 250              | +100-0%               | 5           | --  | --    | 5      | 22   | 30    | YELLOW-YELLOW |
| 4306-016  | 2     | C       | 300                  | 200   | 500              | +100-0%               | 5           | --  | --    | 15     | 35   | 40    | BROWN         |
| 4306-021  | 2     | C       | 300                  | 200   | 1000             | +100-0%               | 5           | --  | 5     | 20     | 35   | 45    | GRAY          |
| 4306-022  | 2     | C       | 300                  | 200   | 1500             | +100-0%               | 5           | --  | 5     | 22     | 35   | 45    | GREEN-GREEN   |