



# Frontier Electronics Corp.

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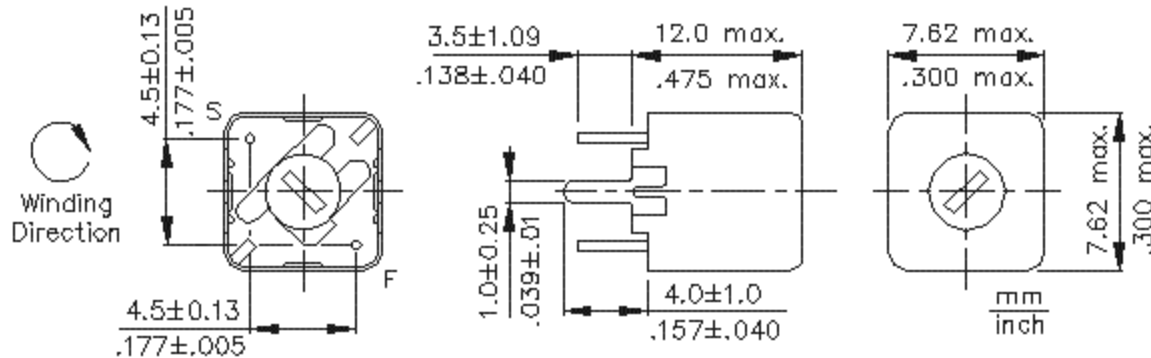
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## Insert Molded Coil—2434 series

### A. Mechanical Drawing:



### B. Electrical Specification:

| Part No. | L Min. (uH) | L Nom. (uH) | L Max. (uH) | Q Min. @ L Nom. | Color  |
|----------|-------------|-------------|-------------|-----------------|--------|
| 2434-01  | 0.037       | 0.038       | 0.039       | 76 @ 50 MHz     | Brown  |
| 2434-02  | 0.054       | 0.058       | 0.063       | 78 @ 50 MHz     | Red    |
| 2434-03  | 0.080       | 0.085       | 0.090       | 78 @ 50 MHz     | Orange |
| 2434-04  | 0.100       | 0.110       | 0.120       | 78 @ 50 MHz     | Yellow |
| 2434-05  | 0.120       | 0.135       | 0.150       | 76 @ 50 MHz     | Green  |
| 2434-06  | 0.142       | 0.163       | 0.184       | 72 @ 50 MHz     | Blue   |
| 2434-07  | 0.172       | 0.194       | 0.216       | 68 @ 50 MHz     | Violet |
| 2434-08  | 0.200       | 0.224       | 0.248       | 66 @ 50 MHz     | Gray   |
| 2434-09  | 0.234       | 0.260       | 0.284       | 60 @ 50 MHz     | White  |
| 2434-10  | 0.260       | 0.288       | 0.315       | 56 @ 50 MHz     | Black  |

### C. Features:

1. Plastic molded.
2. High reliability.
3. Low cost.

### D. Measurement:

1. Q and L measured with ½" long of TCW#16 soldered along the coil leads and with one end flush with the bottom of the coil then bent ¼" down from stand off at an angle of 90°.
2. L min. measured with core halfway out of the top of the form.
3. Inductance greater than 0.1uH read at recommended Q meter frequency.
4. Inductance below 0.1uH calculated from readings taken at 50MHz.

### E. Test equipment:

Q meter (HP 4342A)