

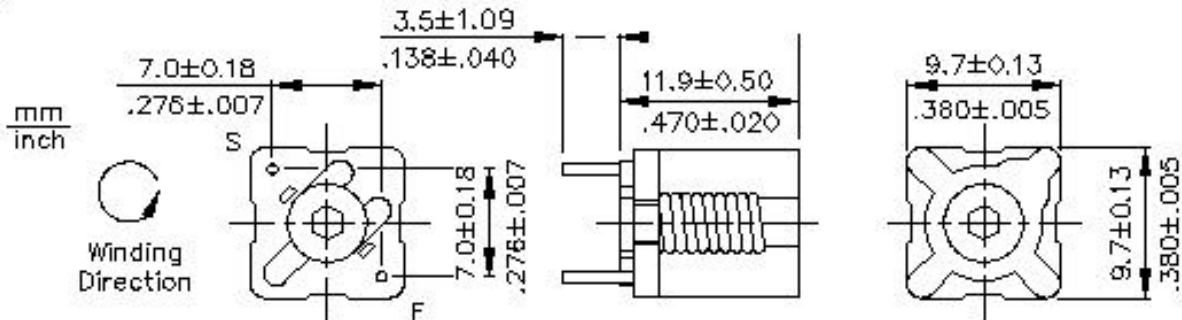


Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065
 TEL: (805) 522-9998 FAX: (805) 522-9989
 E-mail: frontiersales@frontierusa.com
 Web: frontierusa.com

Insert Molded Coil—2429 series

A. Mechanical Drawing:



B. Electrical Specification:

| Part No. | L Min. (uH) | L Nom. (uH) | L Max. (uH) | Q Min. @ L Nom. | Color |
|----------|-------------|-------------|-------------|-----------------|--------|
| 2429-01 | 0.047 | 0.050 | 0.053 | -- | Brown |
| 2429-02 | 0.089 | 0.092 | 0.097 | -- | Red |
| 2429-03 | 0.133 | 0.143 | 0.152 | -- | Orange |
| 2429-04 | 0.174 | 0.196 | 0.218 | 116 @ 40MHz | Yellow |
| 2429-05 | 0.226 | 0.256 | 0.287 | 111 @ 40 MHz | Green |
| 2429-06 | 0.275 | 0.315 | 0.355 | 112 @ 40 MHz | Blue |
| 2429-07 | 0.330 | 0.378 | 0.427 | 102 @ 40 MHz | Violet |
| 2429-08 | 0.396 | 0.450 | 0.504 | 92 @ 40 MHz | Gray |
| 2429-09 | 0.473 | 0.520 | 0.567 | 92 @ 40 MHz | White |
| 2429-10 | 0.550 | 0.592 | 0.635 | 92 @ 40 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)