

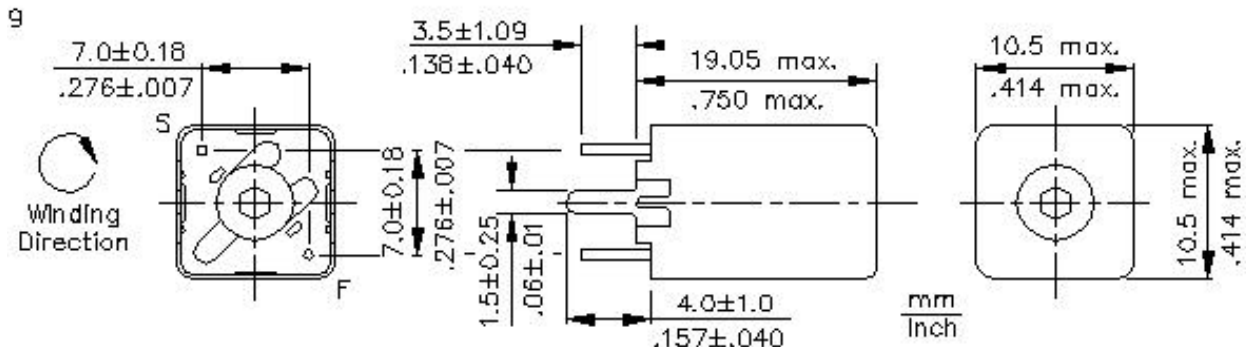


Frontier Electronics Corp.

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—2428 series

A. Mechanical Drawing:



B. Electrical Specification:

| Part No. | L Min. (uH) | L Nom. (uH) | L Max. (uH) | Q Min. @ L Nom. | Color |
|----------|-------------|-------------|-------------|-----------------|--------|
| 2428-01 | 0.043 | 0.045 | 0.047 | -- | Brown |
| 2428-02 | 0.070 | 0.074 | 0.078 | -- | Red |
| 2428-03 | 0.092 | 0.099 | 0.106 | -- | Orange |
| 2428-04 | 0.111 | 0.122 | 0.133 | -- | Yellow |
| 2428-05 | 0.132 | 0.149 | 0.165 | -- | Green |
| 2428-06 | 0.154 | 0.175 | 0.196 | 105 @ 40 MHz | Blue |
| 2428-07 | 0.176 | 0.200 | 0.223 | 104 @ 40 MHz | Violet |
| 2428-08 | 0.202 | 0.226 | 0.250 | 97 @ 40 MHz | Gray |
| 2428-09 | 0.239 | 0.256 | 0.274 | 104 @ 40 MHz | White |
| 2428-10 | 0.270 | 0.282 | 0.295 | 93 @ 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)