

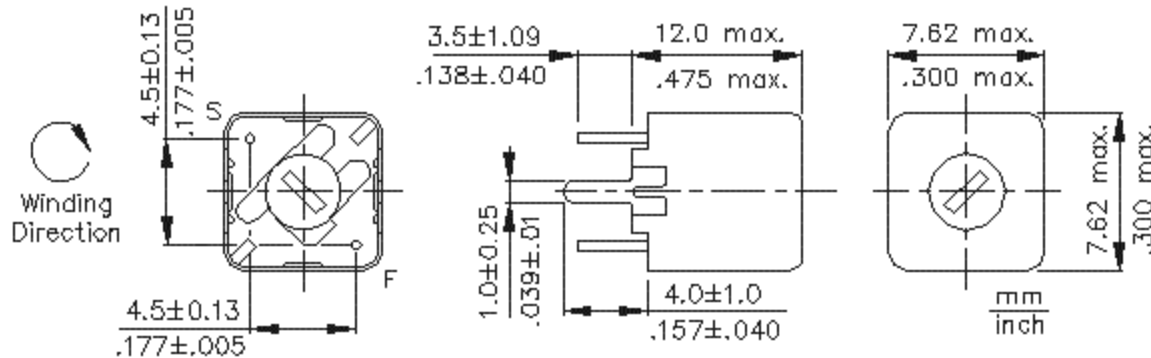


# Frontier Electronics Corp.

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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  $\frac{1}{2}$ " long of TCW#16 soldered along the coil leads and with one end flush with the bottom of the coil then bent  $\frac{1}{4}$ " down from stand off at an angle of  $90^\circ$ .
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)