

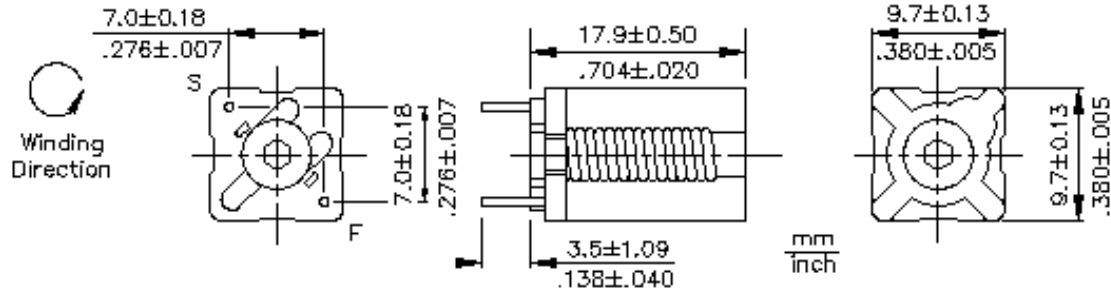


# Frontier Electronics Corp.

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## Insert Molded Coil—2431 series

### A. Mechanical Drawing:



### B. Electrical Specification:

Part No.	L Min. (uH)	L Nom. (uH)	L Max. (uH)	Q Min. @ L Nom.	Color
2431-09	0.404	0.550	0.693	86 @ 40MHz	White
2431-10	0.460	0.624	0.788	90 @ 40MHz	Black
2431-11	0.515	0.708	0.900	78 @ 40MHz	Brown
2431-12	0.578	0.764	0.950	84 @ 40MHz	Red
2431-13	0.673	0.845	1.020	84 @ 40MHz	Orange
2431-14	0.726	0.908	1.090	82 @ 40MHz	Yellow
2431-15	0.803	0.978	1.150	90 @ 40 MHz	Green
2431-16	0.891	1.080	1.270	74 @ 40 MHz	Blue
2431-17	1.010	1.180	1.340	74 @ 40 MHz	Violet
2431-18	1.100	1.250	1.400	92 @ 40 MHz	Gray
2431-19	1.200	1.320	1.440	98 @ 40 MHz	White
2431-20	1.300	1.400	1.500	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)