



# Frontier Electronics Corp.

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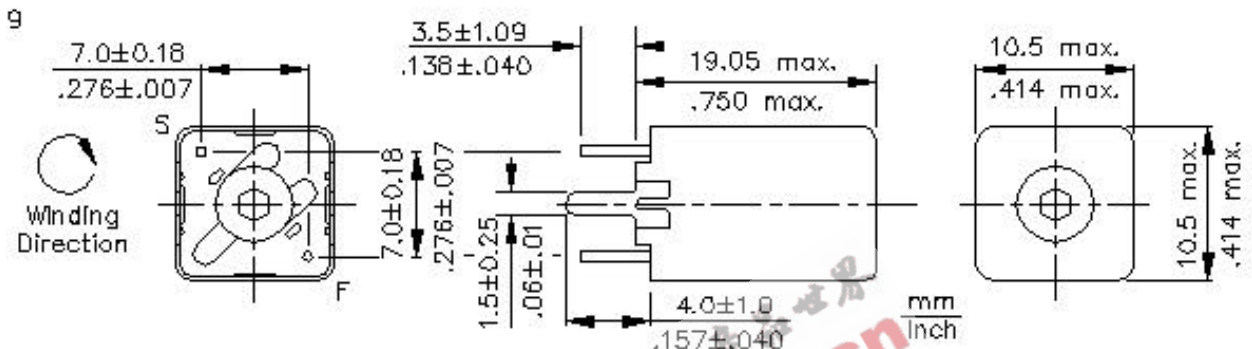
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## Insert Molded Coil—2428 series

### 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  $\frac{1}{2}$ " 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)