



# Frontier Electronics Corp.

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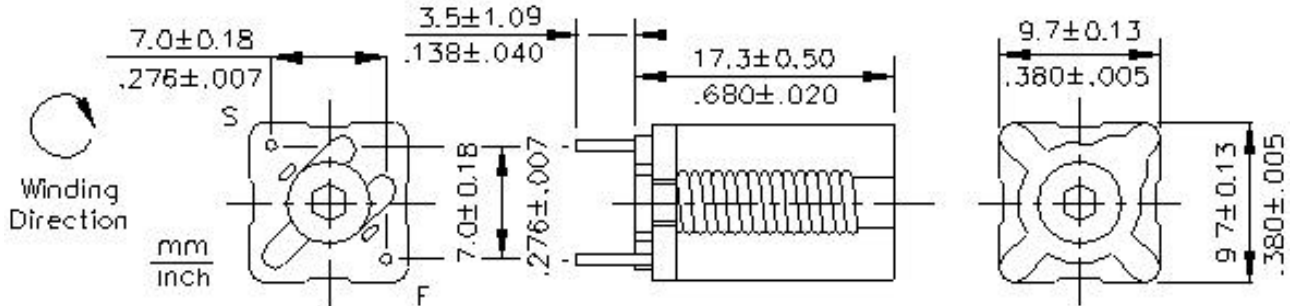
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## Insert Molded Coil—2427 series

### A. Mechanical Drawing:



### B. Electrical Specification:

Part No.	L Min. (uH)	L Nom. (uH)	L Max. (uH)	Q Min. @ L Nom.	Color
2427-01	0.056	0.058	0.060	--	Brown
2427-02	0.079	0.088	0.098	--	Red
2427-03	0.104	0.123	0.142	--	Orange
2427-04	0.132	0.164	0.195	150 @ 40MHz	Yellow
2427-05	0.162	0.207	0.252	154 @ 40 MHz	Green
2427-06	0.193	0.250	0.306	154 @ 40 MHz	Blue
2427-07	0.240	0.298	0.356	158 @ 40 MHz	Violet
2427-08	0.283	0.344	0.405	160 @ 40 MHz	Gray
2427-09	0.328	0.387	0.446	162 @ 40 MHz	White
2427-10	0.391	0.422	0.493	162 @ 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)