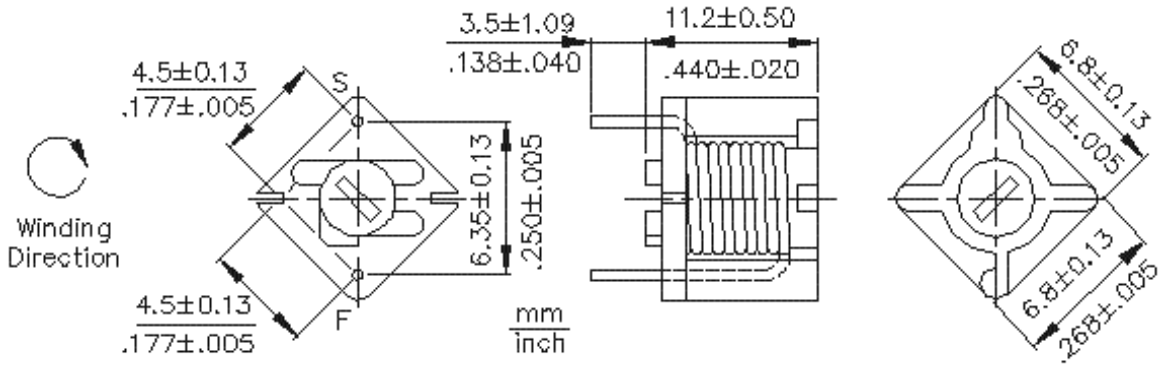
Frontier Electronics Corp.

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—2433 series

A. Mechanical Drawing:



B. Electrical Specification:

Part No.	L Min. (uH)	L Nom. (uH)	L Max. (uH)	Q Min. @ L Nom.	Color
2433-01	0.047	0.048	0.049	90 @ 50MHz	Brown
2433-02	0.068	0.078	0.085	100 @ 50MHz	Red
2433-03	0.090	0.108	0.126	100 @ 50MHz	Orange
2433-04	0.117	0.146	0.175	94 @ 50MHz	Yellow
2433-05	0.148	0.190	0.232	88 @ 50 MHz	Green
2433-06	0.188	0.240	0.292	78 @ 50 MHz	Blue
2433-07	0.231	0.292	0.350	72 @ 50 MHz	Violet
2433-08	0.272	0.342	0.412	68 @ 50 MHz	Gray
2433-09	0.330	0.405	0.480	66 @ 40 MHz	White
2433-10	0.390	0.465	0.540	60 @ 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)