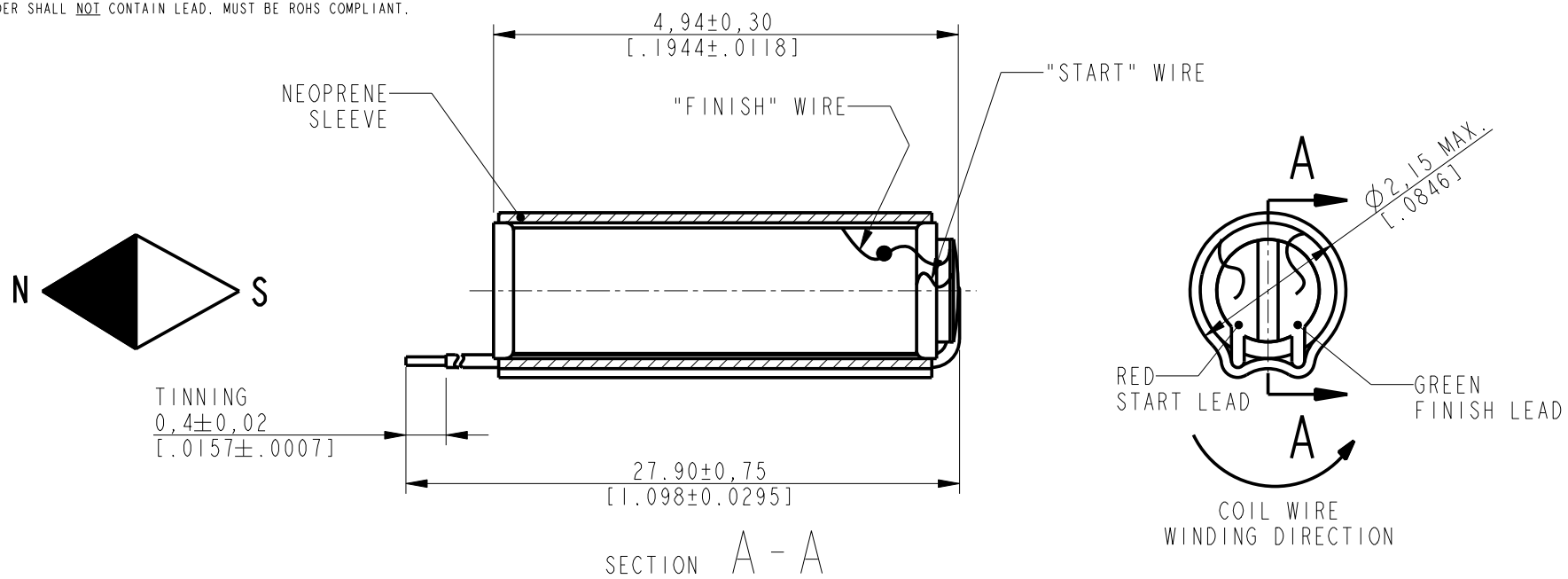
NOTES:

1. COIL WOUND USING COPPER MAGNET WIRE WITH CLASS 155 SINGLE BUILD POLYURETHANE INSULATION.
2. FINISH WIRE ON COIL IS SECURED WITH BLUE DOT OF PAINT.
3. BOBBIN IS FULLY ANNEALED HYMU80 WITH PARYLENE COATING.
4. WITH A POSITIVE DC VOLTAGE APPLIED TO THE "FINISH" WIRE, THE MAGNETIC FIELD WILL ATTRACT A COMPASS NEEDLE AS SHOWN.
5. START & FINISH WIRE TO LIE TIGHT AGAINST COIL.
6. COIL TO BE DIPPED AT LEAST **3** TIMES WITH 13-863 (CONATHANE CE-1164) TO PROVIDE A UNIFORM LAYER OF PROTECTION ON COIL WIRES.
7. Q VALUE OVER 4 AT FREQUENCY OF 50KHZ.
8. * SENSITIVITY MEASURMENT IN dB re 1.0 VOLT WITH A MAGNETIC FIELD STRENGTH OF 1 A/M APPLIED TO THE COIL, LONG AXIS OF THE TELECOIL IS PARALLEL TO THE TEST MAGNETIC FIELD.
9. BEND LITZ WIRES AGAINST THE COIL BEFORE CONATHANE DIP. USE CYANOACRLATE TO SECURE THE LOOSE END OF THE WIRES TO THE FLANGE.
10. NEOPRENE SLEEVE TO BE CENTERED ON THE COIL. EDGES OF THE SLEEVE CANNOT EXTEND BEYOND EITHER FLANGE AND INCREASE THE LENGTH OF THE COIL.
11. SOLDER SHALL NOT CONTAIN LEAD. MUST BE ROHS COMPLIANT.

ELECTRICAL CHARACTERISTICS

# OF TURNS	WIRE SIZE	INDUCTANCE @ 1KHZ (mH)±15%	DCR@25°C (ohms)±10%	SENSITIVE @ 1KHZ (dB) ±2dB	w/10k Ω LOAD ±2db
6200	56H (B) HIGH RESISTANCE	185	2850	-62.3	-64.3



RED CONTROLLED

REV.	CHANGE #	DATE	NAME
B	C10104995	11/03/06	BCS
A	C10103768	01/12/06	BCS

SCALE: 15:1

FUNDAMENTAL TOLERANCE: ± 0,03 [0.001]

ANGLE TOLERANCE: ± 1°

MISMATCH TOLERANCE: ± 0,03 [0.001]

	DATE	NAME
DESIGNED	01/10/06	BCS
CHECKED	01/10/06	BCS
RELEASED	01/10/06	TDS

MATERIAL: - - -

HEAT TREATMENT:

FINISH:

TITLE: **FINISHED 08 COIL W/RADIAL TERMINAL PAD AND TUBING**

RELEASED LEVEL: Active

REVISION: B

DRAWING NUMBER: 5100-253662

SHEETS: 1 of 1

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