

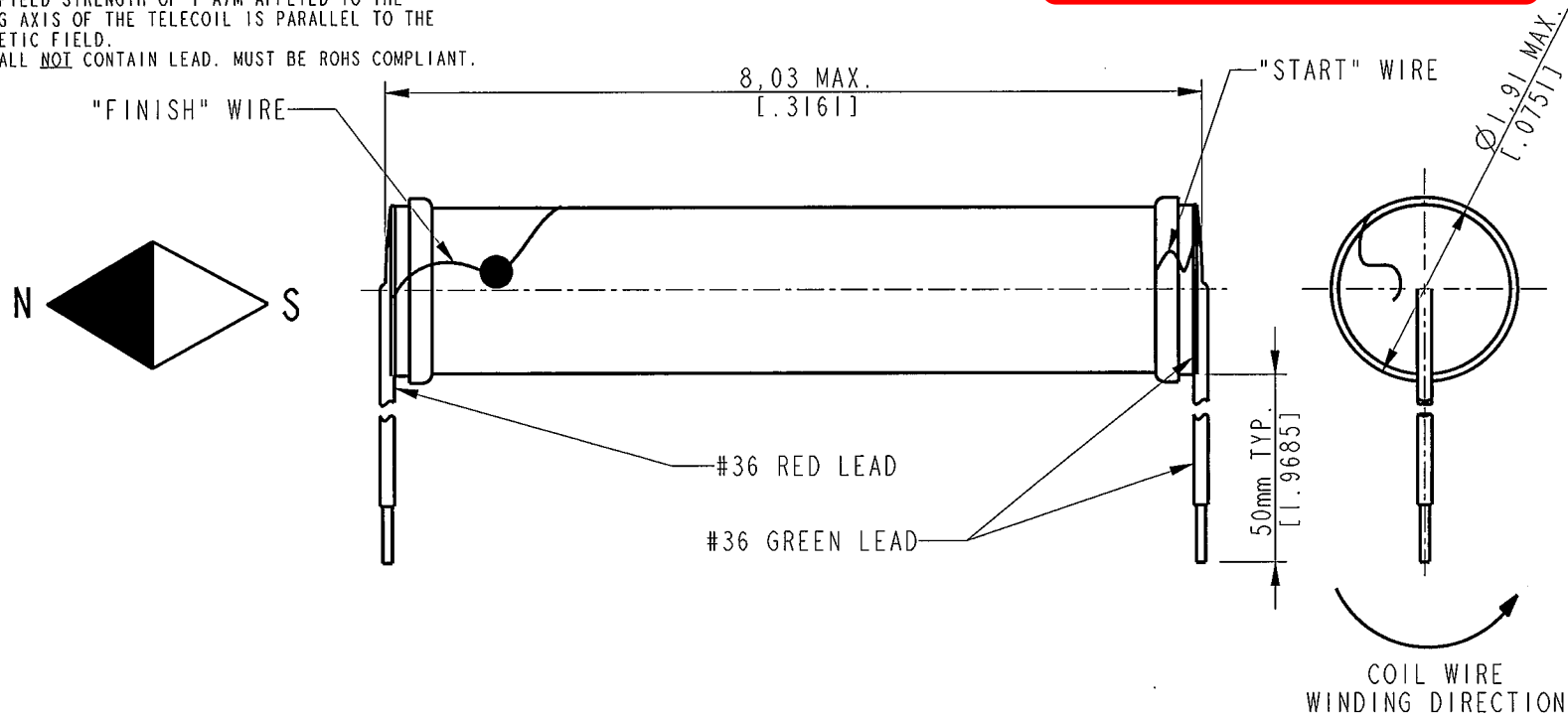
NOTES:

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 AND FINISH WIRE TO LIE TIGHT AGAINST COIL.
6. COIL TO BE DIPPED AT LEAST 4 TIMES WITH 13-863 (CONATHANE CE-1164) TO PROVIDE A UNIFORM LAYER OF PROTECTION ON COIL WIRES.
7. SENSITIVITY MEASUREMENT 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.
8. 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 |
|------------|-------------------------|-----------------------------|----------------------|----------------------------|--------------|
| 7700 | 54H HIGH RESISTANCE (B) | 336 | 2500 | -55.0 | -57.0 |

RED CONTROLLED



| | | | | | | | | |
|---|-----------|----------|------|---------------------------------------|----------|---|-------------|-----------|
| | | | | SCALE: 15:1 | | MATERIAL: | | |
| | | | | FUNDAMENTAL TOLERANCE: ± 0.03 [0.001] | | HEAT TREATMENT: | | |
| | | | | ANGLE TOLERANCE: ± 1° | | FINISH: | | |
| | | | | MISMATCH TOLERANCE: ± 0.03 [0.001] | | TITLE: | | |
| | | | | DATE | NAME | FINISHED 06/Y12 STYLE BOBBIN W/2 TERMINAL PADS | | |
| B | C10104995 | 10/20/06 | BCS | DESIGNED | 01/10/06 | | BCS | |
| A | C10103768 | 01/11/06 | BCS | CHECKED | 10/20/06 | | BCS | |
| REV. | CHANGE # | DATE | NAME | RELEASED | 10/20/06 | TDS: <i>2/10/12/24/06</i> | | |
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| | | | | | | DRAWING NUMBER: | 5100-253440 | B |