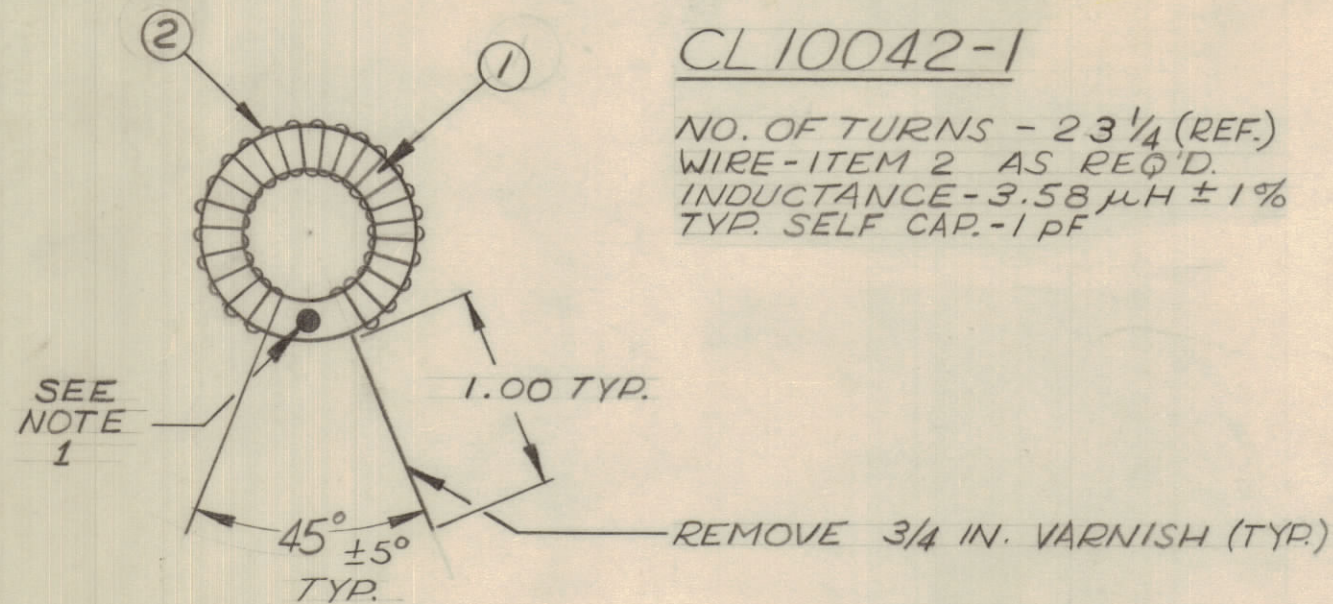


IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.		DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED					
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES.							
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B		REV + REDRAWN AS PER SPEC.	FEB 18/69	444	AP		K.N.
C		REV AS PER CEMN	FEB 26/69	450	AP		J.W.

TEST SPECIFICATION:-

RESONATE WITH A 109 pF (ZERO METER AT ABOUT +10 pF) CAPACITOR AT 8 MHz, USING AN "RX" METER AND A COUNTER.



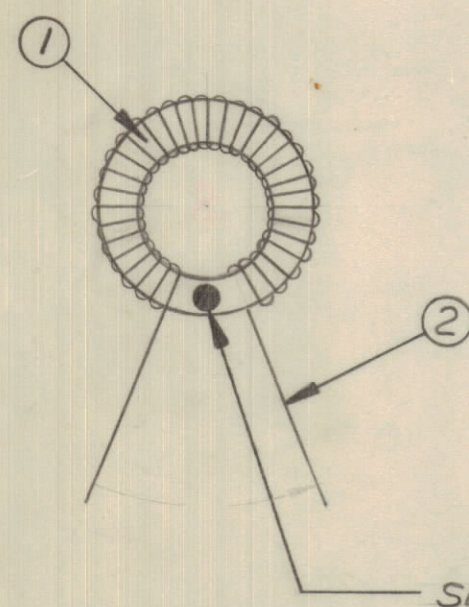
CL10042-1

NO. OF TURNS - 23 1/4 (REF.)
WIRE-ITEM 2 AS REQ'D.
INDUCTANCE - 3.58 μH ± 1%
TYP. SELF CAP. - 1 pF

SEE NOTE 4 FOR DIPPING

TEST SPECIFICATION:-

RESONATE WITH A 69.5 pF CAPACITOR AT 8 MHz USING AN "RX" METER AND A COUNTER



CL10042-2

NO. OF TURNS - 31 (REF.)
WIRE-ITEM 2 AS REQ'D.
INDUCTANCE - 5.61 μH ± 1%
TYP. SELF CAP. - 1 pF

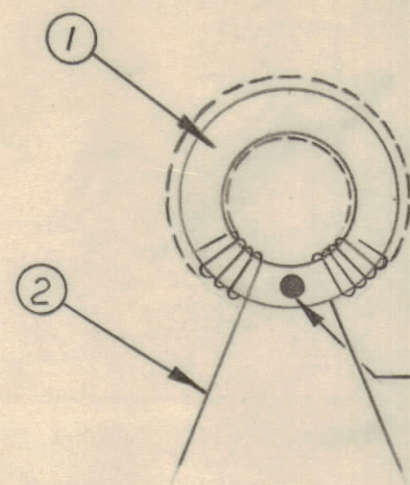
SEE NOTE 1 (TYP)

SEE NOTE 4 FOR DIPPING

TOLERANCES		SCALE:
ALL	DEC. DIM. ± .01	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.
OTHERS	FRAC. DIM. ± 1/64	
	ANGULAR DIM. ± 0° 30'	

TEST SPECIFICATION:-

RESONATE WITH A 52 pF CAPACITOR AT 8 MHz, USING AN "RX" METER AND A COUNTER.



CL10042-3

NO. OF TURNS - 35 (REF.)
WIRE-ITEM 2 AS REQ'D.
INDUCTANCE - 7.55 μH ± 1%
TYP. SELF CAP. - 1 pF

SEE NOTE 4 FOR DIPPING

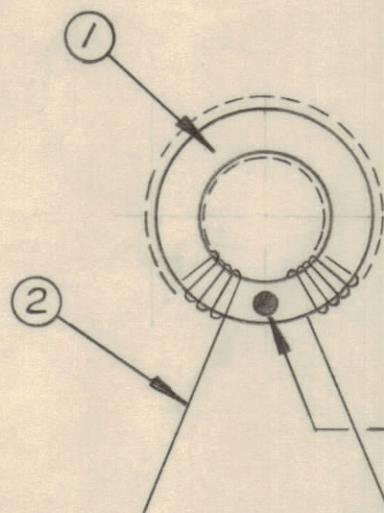
SEE NOTE 1

PRE-VARNISH TEST SPECIFICATION:-

RESONATE WITH THE STANDARD 1300 pF CAPACITOR AT 1.43 MHz. USING AN "RX" METER AND A COUNTER.

FINAL TEST:-

- 1 RESONATE WITH A SELECTED 1300 pF CAPACITOR AT 1.43 MHz ± 1 KHz USING AN "RX" METER AND A COUNTER
- 2 PACKAGE THE TESTED COIL AND THE 1300 pF CAPACITOR SELECTED DURING TEST, AS A MATCHED SET.



CL10042-4

NO. OF TURNS - 40 (REF.)
WIRE-ITEM 2 AS REQ'D.
INDUCTANCE - 9.52 ± 1%
TYP. SELF CAP. - 1 pF

SEE NOTE 4 FOR DIPPING

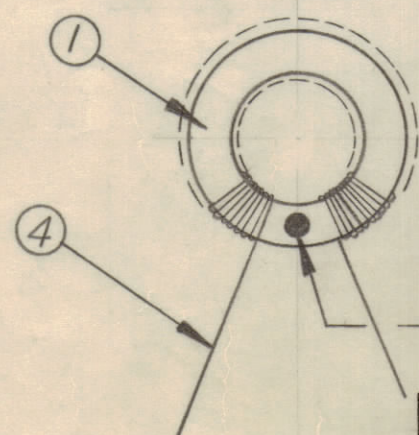
SEE NOTE 1

PRE-VARNISH TEST SPECIFICATION:-

RESONATE WITH THE STANDARD 820 pF CAPACITOR AND 59 pF SET ON C.P. DIAL AT 991.5 KHz WITH AN "RX" METER AND A COUNTER.

FINAL TEST:-

- 1 RESONATE WITH A SELECTED 820 pF CAPACITOR AND 59 pF SET ON C.P. DIAL AT 991.5 KHz ± 1 KHz WITH AN "RX" METER AND A COUNTER.
- 2 PACKAGE THE TESTED COIL AND THE 820 pF CAPACITOR SELECTED DURING TEST AS A MATCHED SET.



CL10042-5

NO. OF TURNS - 71 (REF.)
WIRE-ITEM 4 AS REQ'D.
INDUCTANCE - 29.2 μH ± 1%
TYP. SELF CAP. - 2.0 pF

SEE NOTE 4 FOR DIPPING

SEE NOTE 1

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
	1	CI 10012-768-2	CORE, THOROID	
	2	WI 123-24	WIRE, MAGNET	
	3	QL 104-2	INSULATING, VARNISH	
	4	WI 122-30	WIRE, MAGNET	

NOTES:-

CL10042 C

- 1 MARK COIL WITH A .125 DIA. COLOURED DOT IN POSITION INDICATED -
CL 10042-1 BROWN CL10042-4 YELLOW
" -2 RED " -5 GREEN
" -3 ORANGE
- 2 WIND COIL WITH TURNS EVENLY SPACED OVER INDICATED LENGTH.
- 3 TEST AND ADJUST AS PER SPECIFICATION
- 4 AFTER ADJUSTING DIP IN INSULATING VARNISH (ITEM 3) AND BAKE FOR ONE HOUR AT 125°C AND COOL AT -20°C FOR ONE HOUR.
- 5 FINAL TEST TO VALUES STATED AND APPLY A TOLERANCES OF:-
CL10042-1 - ± 1 pF
CL10042-2 - ± 0.5 pF
CL 10042-3 - ± 0.5 pF
- 6 USE AN "RX" METER AND A COUNTER FOR MEASUREMENTS DURING TEST. COUNTER TO BE USED TO DETERMINE FREQUENCY.

AMC 8	074/69	FEB 18/69
MODEL	PROJECT NO.	DATE

STOCK SIZE		TMC (Canada) LIMITED OTTAWA ONTARIO	
MATERIAL		COIL, R.F.	
TYPE & TEMPER	AP	K.N.	
HEAT TREAT. SPEC.	CHECKED	FINAL APPROVAL	
FINISH & SPEC. NO.		CL10042 C	