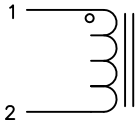
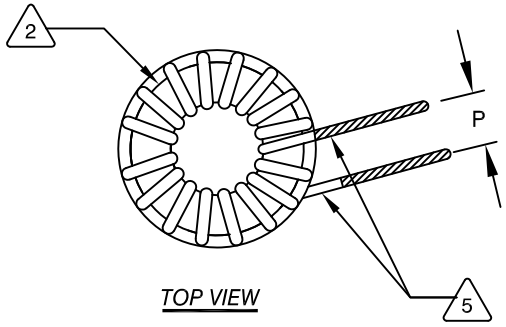
The information contained in this drawing is the sole property of CWS Coil Winding Specialist.
Any reproduction in part or whole without written permission of CWS Coil Winding Specialist is prohibited.

DIMENSIONAL TOLERANCES INCHES [MM]						
H TYP	H1 TYP	C1 NOM	C2 NOM	D NOM	TIN TYP	P NOM
0.70 [17.78]	0.75 [19.05]	0.60 [15.24]	1.20 [30.48]	0.064 [1.625]	0.70 [17.78]	0.63 [16.00]

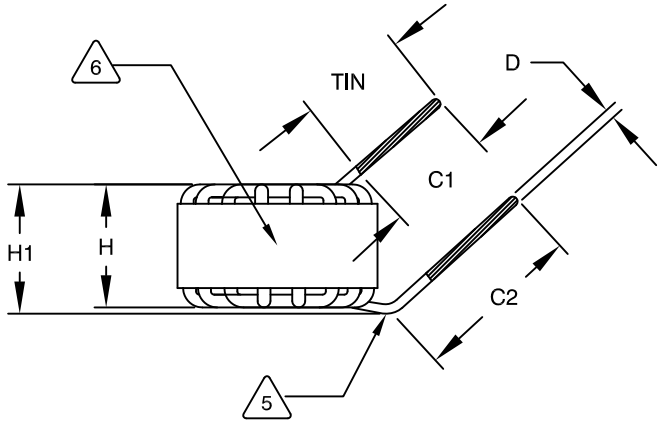
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE BY	DATE	CHK	DATE
A		INITIAL DRAWING RELEASE	TN	09/04/22	JL	09/04/22



SCHEMATIC



TOP VIEW



FRONT VIEW

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

6 LABEL PART NUMBER, REVISION AND DATE CODE
WRAP INDUCTOR WITH GLASS TAPE

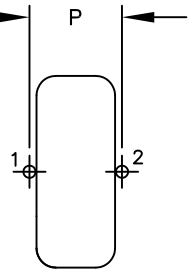
5 REMOVE INSULATION AND TIN LEADS. BEND LEADS AS SHOWN.

WIND COILS EVENLY SPACED AROUND THE CORE

4 CONSTRUCTION:

WEIGHT: 14 GRAMS TYPICAL
RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 125°C
HI-POT TEST FOR WINDING TO CORE ISOLATION = 300VDC MIN.
INTERWINDING CAPACITANCE = 20pF TYP @ SRF
|Z| = 25 KILO-OHMS TYP @ SRF
SRF = 350KHz TYPICAL
INDUCTOR CURRENT RATING : 12 AMPS
DCR = 12.5 MILLI-OHMS MAX.
INDUCTANCE = 7.825mH ±30% @ 10 KHz, 250mV, 0ADC BIAS

3 SPECIFICATIONS: @ 25°C:



MOUNTING HOLES PATTERN

2 WIRE: UL RECOGNIZED 155°C RATED MAGNET WIRE
CORE: COATED FERRITE CORE

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY,RATING CLASS H (180°C MIN.) REQUIRED

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.
"TYP" IN DIM. TOL. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.
CAGE CODE: 5DME2

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

AUTOCAD	X
SOLIDWORKS	

UNLESS OTHERWISE SPECIFIED	SIGN	DATE
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].		
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 ∢=±0°30'		
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 ∢=±0°30'		
ANGLE PROJECTION		
DO NOT SCALE DRAWING		
DRAWN	TN	09/04/22
CHECKED	JM	09/04/22
ENGR.	JL	09/04/22
APPR.	JL	09/04/22

COILWS COM, INC
www.coilws.com
CWS Coil Winding Specialist.
353 W. Grove Ave.
Orange, CA 92865

TITLE: TOROIDAL POWER INDUCTOR

SIZE B | DWG. NO. CWS-1TF-13032 | REV A

SCALE 2=1 | SHEET 1 OF 1

CAD-FILE: