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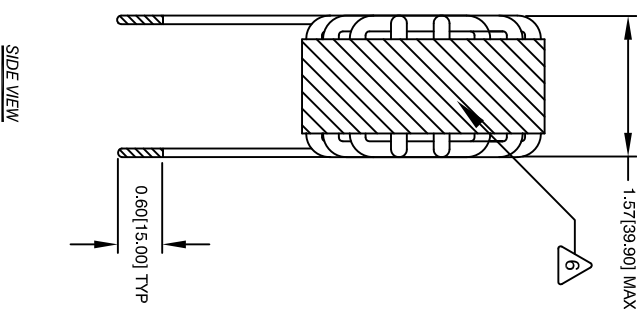
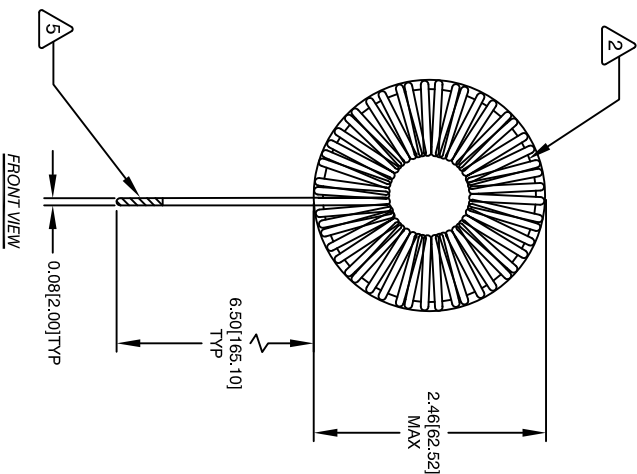
- 7 BUILD TO ROHS COMPLIANCE AND LEAD FREE
- 6 IF APPLICABLE, LABEL PART NUMBER, REVISION AND DATE CODE

- 5 LEADS MUST BE TANGENT TO THE CORE.
FLUSH WITH THE COIL EDGE.
REMOVE INSULATION AND TIN LEADS PER DWG
- 4 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

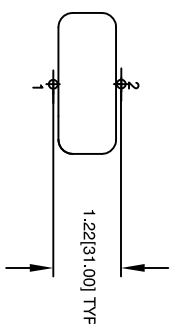
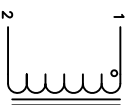
- WEIGHT: 484 GRAMS TYPICAL
HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC MIN
OPERATING TEMPERATURE RANGE: -55°C TO 155°C
INTERWINDING CAPACITANCE = 280pF TYP @ SRF
|Z| = 57 KIL-OHMS TYP. @ SRF
SRF = 204 KHZ TYPICAL
INDUCTANCE @ DC BIAS: SEE TABLE ON THE RIGHT
CURRENT RATING : 20 AMPS, 40°C TEMP. RISE, WITH SOME AIRFLOW
DCR = 80.0 MILLI-OHMS MAX.
INDUCTANCE = 2.20mH ±15% @ 0A DC BIAS, 1 KHz, 250mV
SPECIFICATIONS @ 25°C:

- 2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: POWDERED TOROIDAL CORE
- 1 RATING CLASS H (180°C MIN.) REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.
*TYP IN DIMENSIONAL TOLERANCES REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT
NOTES: UNLESS OTHERWISE STATED, READ FROM BOTTOM UP.



DC BIAS TABLE	
DC BIAS (AMP)	L@1KHz (REF)
0	2.23mH
5	1.97mH
10	1.44mH
15	0.95mH
20	0.63mH



REVISION HISTORY			
REV	ECN	DESCRIPTION	SNOW & DATE
A		PRODUCTION RELEASE	TN 09/24/2020 J.L. 09/24/2020
A1		CORRECTED TYP IN THE P/N	TN 09/13/22 J.L. 09/13/22

CODE		MFG. P / N	DESCRIPTION	ITEM NO.
IDENT				
PARTS LIST				
AUTOCAD		X		
SOLIDWORKS			COLIWS.COM, INC	
SIGN		DATE	353 W Grove Ave Orange, CA 92665	
DIMEN		09/24/2020	CWS Coil Winding Specialist,	
TN		09/24/2020	TITLE: Toroidal Inductor	
0003		09/24/2020	2.20mH, 20 Amps, Vertical Mount	
TOLERANCE INCHES:		09/24/2020	SIZE (DEC. IN.)	
300+4.006 300+4.015		09/24/2020	B	
300+4.006 300+4.015		09/24/2020	CWS-HF-11238	
300+4.006 300+4.015		09/24/2020	REV	
300+4.006 300+4.015		09/24/2020	A1	
HOLE PROJECTION		DO NOT SCALE DRAWING	SHEET 1 OF 1	