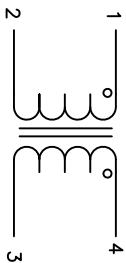


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SCHEMATIC

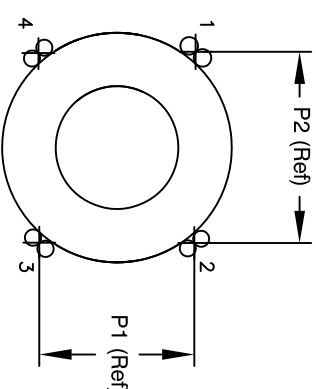
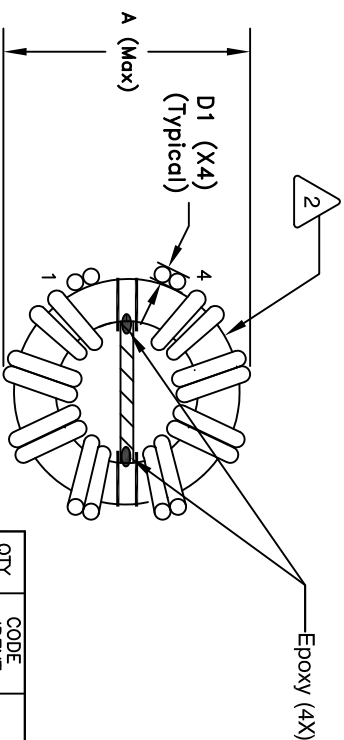
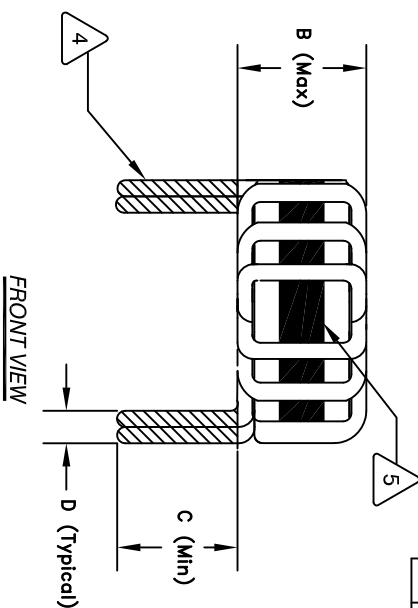
- 7 BUILT TO ROHS COMPLIANCE
- 6 LABEL PART NUMBER AND REVISION IF APPLICABLE
- 5 WRAP CORE WITH KAPTON TAPE
- 4 TIN LEADS APPROX. 0.5 INCH AND FLUSH WITH THE COIL EDGE.

WEIGHT = 42 GRAMS
OPERATING TEMP RANGE = -25°C TO 120°C
MAX TEMP RISE = 40 °C
INTERWINDING ISOLATION = 2000 VOLTS RMS, 3 mA, 2 sec.
DCR ON EACH WINDING = 1.0 mΩ MAX
SRF = 4.6 MHz TYP
MAX VOLTAGE ACROSS TERMINALS 1-2 OR 3-4 = 250 VAC OR VDC
RATED CURRENT = 40 AMPS
LEAKAGE INDUCTANCE = 0.9μH TYP @ 10 KHz, 1 Vrms
INTERWINDING CAPACITANCE = 21pF TYP @ SRF
|Z| = 0.41 KILO-OHMS TYP. @ SRF
Ls = 0.75mH TYP. @ 1KHz, 1Vrms, 0 Amps
INSULATION RESISTANCE = 100 MEGA-OHMS MIN. @ 500 VDC
SPECIFICATIONS AT 25°C:

- WIRE: UL CLASS 200°C
CWS BYTEMARK OR OTHER APPROVED PART
CORE: NANOCRYSTALLINE OR AMORPHOUS CORE
- BOBBIN/CASE = UL CLASS B (130°C)
- MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.
"TYP" IN DIM. TOL. REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT
NOTES: UNLESS OTHERWISE SPECIFIED, READ NOTES FROM BOTTOM TO TOP.

DIMENSIONAL TOLERANCE INCHES [MM]					
A(OD) Max	B(HGT) Max	C(LEAD) Min	D(LEAD DIM) TYP	D1(LEAD DIM) TYP	P1 Ref P2 Ref
1.50 [38.00]	0.95 [24.00]	0.5 [12.70]	(X4) 0.14	(X4) 0.07	0.45 [11.50] 1.10 [27.94]
			[3.60]	[1.80]	



MOUNTING HOLES PATTERN

REVISION HISTORY			
REV	ECN	DESCRIPTION	SIGN & DATE
			BY DATE CHK DATE
D1		REVISE DESCRIPTION	JL 07/07/17 BO 07/07/17
E	N/A	ELEC. AND MECH. UPDATED	TN 03/05/18 JL 03/05/18
F	N/A	REMOVED 100KHZ TEST FREQUENCY	TN 01/07/19 JL 01/07/19
G		RECONSTRUCTED DRAWING SHOWING BIFILAR WINDINGS	TN 08/23/21 JL 08/23/21

BOTTOM VIEW

PARTS LIST

QTY	CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
AUTOCAD					
SOLIDWORKS					
	SIGN	DATE	www.coilws.com		
	DATE	12/16/10	Coil Winding Specialist Inc.		
	DATE	12/16/10	sales@coilws.com		
	DATE	12/16/10	353 West Grove Ave		
	DATE	12/16/10	Orange, California. 92865		
	DATE	12/16/10	TITLE: Nanocrystalline Inductor		
	DATE	12/16/10	Common Mode Chokes		
	DATE	12/16/10	Horizontal Mount		
	DATE	12/16/10	CAGE# 5DME2		
	DATE	12/16/10	SIZE [UNC. NO.]		
	DATE	12/16/10	B HN-H-901U-40A		
	DATE	12/16/10	SCALE		
	DATE	12/16/10	NOT TO SCALE		
	DATE	12/16/10	SHEET 1 OF 1		