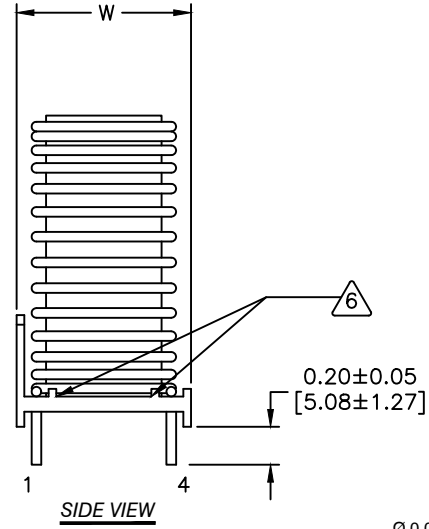
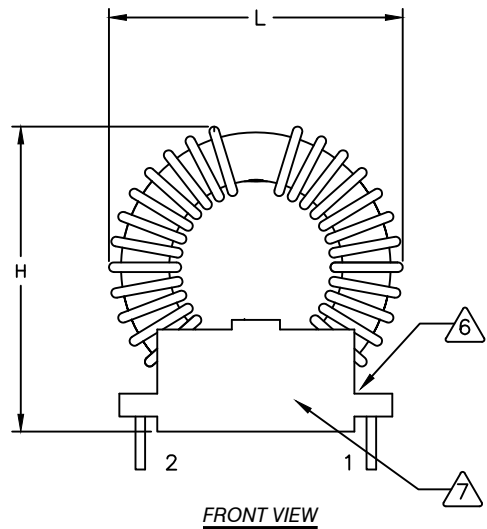


The information contained in this drawing is the sole property of CWS Coil Winding Specialist. Any reproduction in part or whole without written permission of CWS Coil Winding Specialist is prohibited.



MECHANICAL DIMENSION					
H MAX	L MAX	W MAX	D(X4) TYP	X REF	Y REF
1.80 [45.72]	1.70 [43.18]	0.95 [24.13]	0.05 [1.30]	1.19 [30.35]	0.70 [17.85]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
B		UPDATED SPEC.	TN	09/05/2020	JL	09/05/2020



DC BIAS TABLE	
DC BIAS (AMP)	L@50KHz (REF)
0	188uH
2	186uH
4	181uH
6	173uH
8	163uH
9	157uH

- 7 BUILT TO RoHS COMPLIANCE AND LEAD FREE
- 7 MARK CUSTOMER PART NUMBER, REVISION AND DATE CODE
- 6 ADD EPOXY WHERE SHOWN
- 5 PINS 2 & 4 ARE NOT USED BUT STILL ON THE BASE AS IS TIN LEADS 1 & 3 AND TRIM PER MIN. LENGTH AS SPECIFIED. PULL LEADS THROUGH BASE AS SELF LEAD. OF WINDING WIRE LEADS THEN REMOVE PINS 1 & 3 FROM BASE, REMOVE INSULATION CONSTRUCTION:

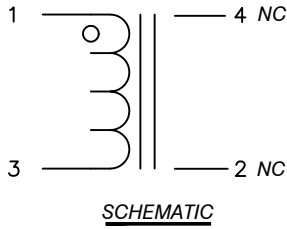
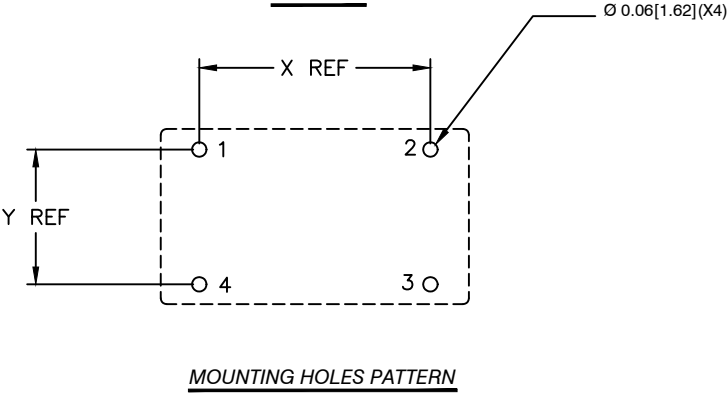
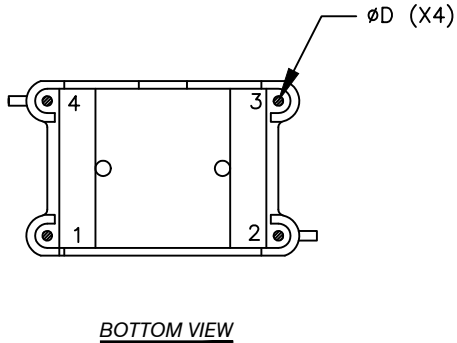
WEIGHT: 68 GRAMS TYPICAL
 OPERATING TEMP. RANGE: -40°C TO 125°C
 HI-POT WINDING-TO-WINDING 1250 VAC, 10 SEC
 TEMPERATURE RISE @ IDC LESS THAN 34°C WITH SOME AIRFLOW
 INTERWINDING CAPACITANCE = 9.6pF TYP @ SRF
 |Z| = 14.6 KILO-OMS TYP@ SRF
 SRF = 4 MHz TYPICAL
 INDUCTANCE @ DC BIAS: SEE TABLE ON THE RIGHT
 RATED CURRENT = 9 AMPS MAX
 DCR = 40.0 MILLI-OHMS MAX PER WINDING
 INDUCTANCE = 180uH±20% @ 50KHz, 250mVrms
 SPECIFICATIONS @ 25°C:

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
 FR4 SPACER: 3.00 MM MINIMUM THICKNESS
 HEADER: UL CERTIFIED TOROID BASE
 CORE: TOROIDAL POWDERED CORE

- 2 RATING UL-CLASS H (180°) REQUIRED
- 1 MATERIAL: UL RECOGNIZED 94V-0 FLAMMABILITY FOR BOBBIN

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 SPECIFIED, READ NOTES FROM BOTTOM UP.
 CAGE CODE: 5DME2



CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X		
SOLIDWORKS			
SIGN	DATE	COILWS.COM, INC www.coilws.com	CWS Coil Winding Specialist. 353 W Grove Ave Orange, CA 92865
DRWN	JZ	10/11/10	TITLE: Differential Mode Choke 180 uH, 9 Amps, Horizontal With Base
DESD	JL	10/11/10	
ENGR	JM	10/11/10	
APPR	JL	10/11/10	
UNLESS OTHERWISE SPECIFIED		TOLERANCE METRICS: $\angle=±0.730^\circ$	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		TOLERANCE INCHES: .XXX±.005 .XX±.015 .X±.030	
ALL DIMENSIONS ARE IN INCHES AND (MILLIMETERS)		TOLERANCE METRICS: .XXX±.127 .XX±.38 .X±.10	
ANGLE PROJECTION		SCALE	
DO NOT SCALE DRAWING		SCALE 2=1	
SIZE	DWG. NO.	CWS-1MF-11614	REV B
SHEET		1 OF 1	