

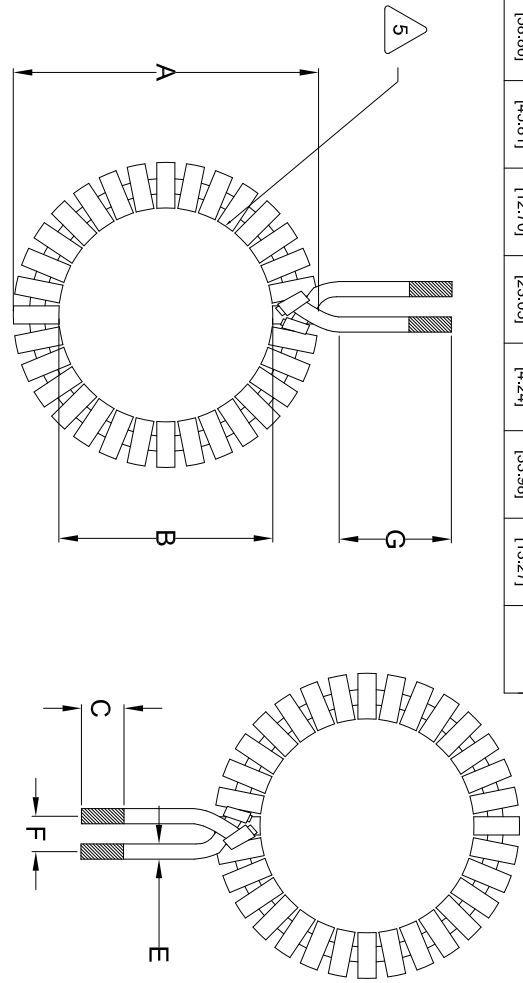
The information contained in this drawing is the sole property of Coil Winding Specialist Inc. (CWS). Any reproduction in part or whole without written permission of CWS is prohibited.



DIMENSIONAL TOLERANCES INCHES [MM]						
A	B	C	D	E	F	G
MAX	MAX	MIN	TYP	TYP	TYP	MIN
2.32 [58.86]	1.80 [45.81]	0.50 [12.70]	0.90 [23.05]	0.16 [4.24]	1.34 [33.98]	0.52 [13.27]

REVISION HISTORY			
REV	ECN	DESCRIPTION	SIGN & DATE
A	N/A	PRODUCTION RELEASE	AK 5/13/16 JL 5/13/16

FREQ	Z
100 KHZ	1.34 Ω
300 KHZ	4.08 Ω
500 KHZ	7.00 Ω
1 MHZ	12.07 Ω
3 MHZ	27.36 Ω
5 MHZ	39.00 Ω
7 MHZ	49.58 Ω
10 MHZ	64.45 Ω



- 6 BUILT TO ROHS COMPLIANCE
- 5 APPLY EPOXY BETWEEN WINDINGS

4 STRIP AND TIN LEADS (NO INSULATION IS ALLOWED BELOW THE BASE LEVEL.)

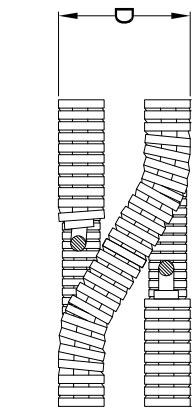
WEIGHT = ~206 GRAMS
 OPERATING TEMP RANGE = -40°C TO 125°C
 MAX TEMP RISE = 40°C WITH FORCED AIRFLOW.
 INTERWINDING ISOLATION = 2000 VOLTS RMS.
 DCR ON EACH WINDING = 0.46 mΩ MAX
 SRF > 100MHZ
 RATED VOLTAGE = 1000 VAC OR VDC
 RATED CURRENT = 80 AMPS
 CONSTRUCTED WITH Litz WIRE
 IMPEDANCE = 64.45 Ω @ 10 MHZ
 L = 2.2uH ± 10% @ 10KHZ, 0.25 Vrms, 0 ADC

3 SPECIFICATIONS AT 25°C:

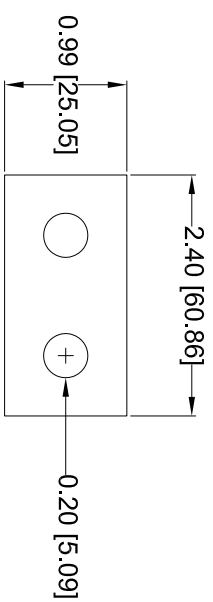
2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
 CWS BYTEMARK OR OTHER APPROVED PART
 CORE: IRON POWDER

1 WIRE RATING CLASS H (180°C) REQUIRED
 MATERIAL: UL RECOGNIZED FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED. READ NOTES FROM BOTTOM TO TOP.
 CAGE CODE: 5DME2



SIDE VIEW



MOUNTING HOLE PATTERN

UNLESS OTHERWISE SPECIFIED		AUTOCAD	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		SOLIDWORKS	
ALL DIMENSIONS ARE IN INCHES AND (MILLIMETERS)		SIGN	
TOLERANCE METERS: XXXX±.127		DATE	
TOLERANCE METERS: XX±.38		DRAWN AK 5/19/16	
ANGLE PROJECTION		CHECKED BO 5/19/16	
DO NOT SCALE DRAWING		ENGR. JLAU 5/19/16	
		APPR. JLAU 5/19/16	
TITLE: HIGH FREQUENCY INDUCTOR		www.coliws.com	
VERTICAL MOUNT		353 West Grove Ave	
SIZE DWG. NO. HFI-2R2M-80AV		Orange, California, 92865	
SCALE N/A		SALES@COLIWS.COM	
SHEET 1 OF 1		REV A	