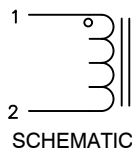
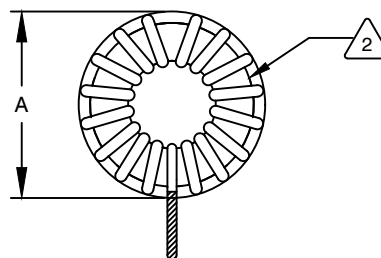


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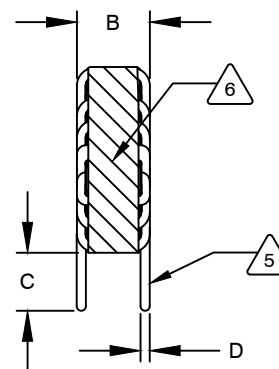


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C REF	D TYP	X REF
0.63 [16.00]	0.30 [7.62]	0.50 [12.70]	0.032 [0.81]	0.25 [6.35]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
C	—	REVISED DIMENSION, ADD RoHS COMPLIANCE		11/7/08		11/7/08
D	—	UPDATED SPEC.	TN	08/01/2020	JL	08/01/2020



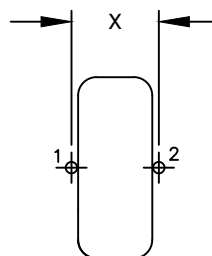
FRONT VIEW



SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	25uH
2.0	24uH
3.0	23uH
4.0	22uH
5.5	21uH



MOUNTING HOLES PATTERN

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

6 USING A PERMANENT MARKING METHOD
MARK PART NUMBER, REVISION AND DATE CODE

5 (I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE
REMOVE INSULATION AND TIN LEADS 0.5 INCH, FLUSH WITH THE COIL EDGE
WIND COILS EVENLY SPACED AROUND THE CORE
4 CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 5 GRAMS TYPICAL

SRF: GREATER THAN 10MHz

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 155°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN.

INDUCTOR CURRENT RATING : 5.5 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 20.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 25uH±10% @ 0 AMP DC BIAS, 1.0 KHz, 250mV

3 SPECIFICATIONS: @ 25°C:

2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: POWDERED TOROIDAL CORE, CWS BYTE MARK OR OTHER APPROVED PART

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS B (130°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

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].	
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 <1=±0°30'	
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 <1=±0°30'	
ANGLE PROJECTION	
DO NOT SCALE DRAWING	

CODE IDENT		MFG. P/N	DESCRIPTION		ITEM NO.
PARTS LIST					
AUTOCAD		X		COILWS COM, INC www.coilws.com	
SOLIDWORKS					
SIGN		DATE		CWS Coil Winding Specialist. 353 W. Grove Ave. Orange, CA 92865	
DRAWN		TDK 2/8/04		TITLE: TOROIDAL POWER INDUCTOR 25uH, 5.5 Amps, Vertical	
CHECKED		JLAU 2/9/04			
ENGR.		KSUM 3/5/04			
APPR.		JLAU 3/6/04			
		SIZE		DWG. NO.	
		B		HF127-250M-5.5AV	
		SCALE		2=1	
				SHEET 1 OF 1	