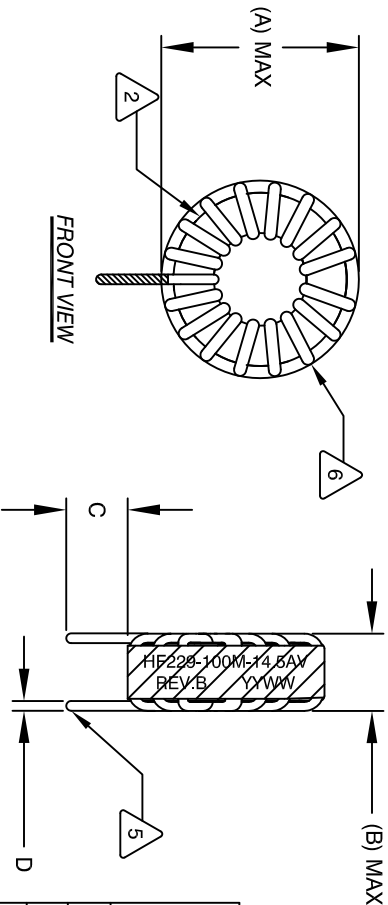
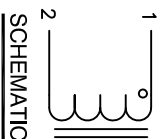


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DIMENSIONAL TOLERANCES					
INCHES (MM)					
A	B	C	D	X	
MAX	MAX	TYP	REF	REF	
1.10 [27.94]	0.48 [12.10]	0.50 [12.70]	0.05 [1.29]	0.37 [9.40]	

REVISION HISTORY				SIGN & DATE		
REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
A	—	PRODUCTION RELEASE	TDK	2/09/04	JLAU	2/9/04
B	—	UPDATED SPEC.	TN	07/11/2020	JL	07/11/2020



DC BIAS TABLE		
DC BIAS (AMP)	L@ 1KHz (REF)	
0	9.7uH	
1	9.6uH	
2	9.6uH	
4	9.5uH	
6	9.4uH	
8	9.4uH	
10	9.2uH	
12	9.2uH	
14	9.0uH	
14.5	9.0uH	

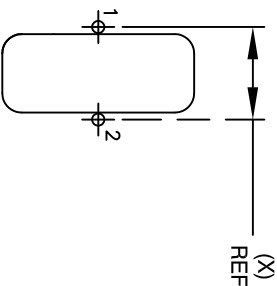
- BUILD TO ROHS COMPLIANCE AND LEAD FREE.
- USING A PERMANENT MARKING METHOD  
MARK PART NUMBER, REVISION AND DATE CODE  
WRAP INDUCTOR WITH 3M # 79 OR EQUAL
- (I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE  
REMOVE INSULATION AND TIN LEADS 0.5 INCH, FLUSH WITH THE COIL EDGE
- WIND COILS EVENLY SPACED AROUND THE CORE  
CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT  
WEIGHT: 50 GRAMS TYPICAL  
SRF : GREATER THAN 10MHZ  
RECOMMENDED AMBIENT OPERATING TEMP: -55°C TO 180°C  
HI-POT TEST FOR WINDING TO CORE ISOLATION = 1250 VDC, 5 SEC.  
CURRENT RATING : 14.5 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW  
DCR = 8.0 MILLI-OHMS MAX.

- INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT  
INDUCTANCE = 10uH ± 10% @ 0 AMP DC BIAS, 1.0 KHz, 250mV
- SPECIFICATIONS: @ 25°C:

- WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE  
CORE: POWDERED TOROIDAL CORE, CMS BYTEMARK OR OTHER APPROVED PART
- 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. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT  
NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.  
CAGE CODE: 5DME2

#### MOUNTING HOLES PATTERN



3 HOLES PATI TEN						
CODE		MFG. P/N		DESCRIPTION		ITEM NO.
IDENT						
PARTS LIST						
AUTOCAD		X		COLIWS COM, INC www.coliws.com CWS Coil Winding Specialist. 353 WEST GROVE AVE. ORANGE, CA 92665		
SOLIDWORKS						
SIGN		DATE				
DRAWN		2/8/04				
TDK		2/8/04				
CHECKED		2/8/04		TITLE: TOROIDAL POWER INDUCTOR 10uH, 14.5 Amps, Vertical		
ENGR.		2/8/04				
KSUM		2/8/04				
APPR.		2/8/04				
JLAU		2/8/04				
SIZE		DWG. NO.		REV		
B		HF229-100M-14.5AV		B		
SCALE		2=1		SHEET 1 OF 1		