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DIMENSIONAL TOLERANCES INCHES (MM)					
A	B	C	D	X	
MAX	MAX	MIN	REF	REF	
1.32 [33.50]	1.15 [29.20]	0.75 [19.05]	0.065 [1.65]	1.25 [31.75]	

REVISION HISTORY				SIGN & DATE		
REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
A	—	PRODUCTION RELEASE	KLC	9/5/08	RL	7/2208
B	—	UPDATED SPEC.	TN	07/14/2020	JL	07/14/2020



7 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

5 (I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE REMOVE INSULATION AND TIN LEADS 0.75 INCH, FLUSH WITH THE COIL EDGE

4 WIND COILS EVENLY SPACED AROUND THE CORE CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 50 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 9.8pF TYP @ SRF

SRF = 6.3MHz TYPICAL

|Z| = 4.2 KILO-OHMS TYP @ SRF

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

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

INDUCTOR CURRENT RATING : 15.0 AMPS, 25°C TEMP. RISE WITH SOME AIR FLOW

DCR = 9.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 70uH ±15% @ 0 AMP DC BIAS, 1.0 KHz, 250mV

3 SPECIFICATIONS: @ 25°C:

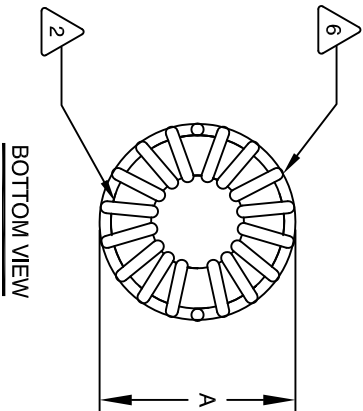
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

CORE: POWDERED TOROIDAL CORE, CWS BYTEMARK OR OTHER APPROVED PART

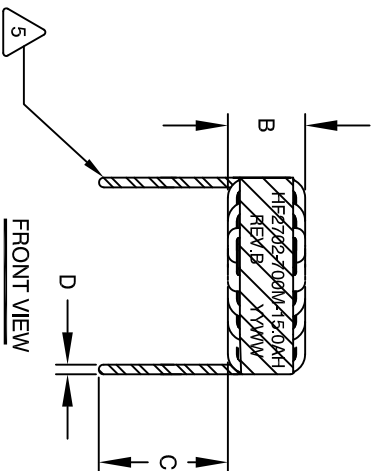
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS B (130°C MIN.) REQUIRED ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.

"TYP" IN DIM. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.

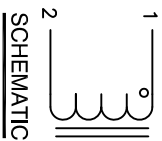
CAGE CODE: 5DMEZ



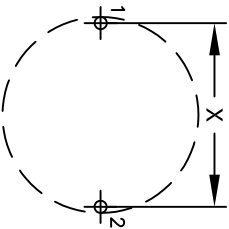
BOTTOM VIEW



FRONT VIEW



SCHEMATIC



MOUNTING HOLES PATTERN

DC BIAS TABLE	
DC BIAS (AMP)	L@ 1KHz (REF)
0	68uH
1	68uH
2	68uH
4	66uH
6	65uH
8	63uH
10	60uH
12	58uH
14	56uH
15	54uH

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X		
SOLIDWORKS			
SIGN	DATE		
DRWN	9/5/08		
CHKD	9/5/08		
ENGR	9/5/08		
APPR	9/5/08		
TITLE:		CWS Coil Winding Specialist.	
TOROIDAL POWER INDUCTOR		1510 E. Edinger Ave.	
70uH, 15.0 Amps, Horizontal		Unit B, Santa Ana, CA. 92705	
SIZE (INC. NO.)		HF2702-700M-15.0AH	
SCALE		2=1	
DO NOT SCALE DRAWING		SHEET 1 OF 1	