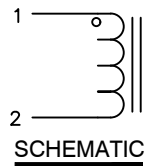


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SCHEMATIC

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



(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: 77 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 54pF TYP @ SRF

SRF = 783KHz TYPICAL

|Z| = 93.7 KILO-OHMS TYP @ SRF

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 125°C

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

INDUCTOR CURRENT RATING : 3.0 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 180 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 750uH±10% @ 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 BYTE MARK OR OTHER APPROVED PART

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS H (180°C MIN.) REQUIRED
ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.

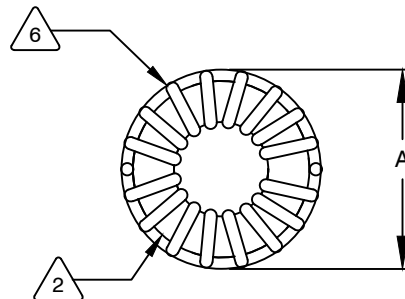
"TYP" IN DIM. TOL. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.

CAGE CODE: 5DME2

**DIMENSIONAL TOLERANCES
INCHES [MM]**

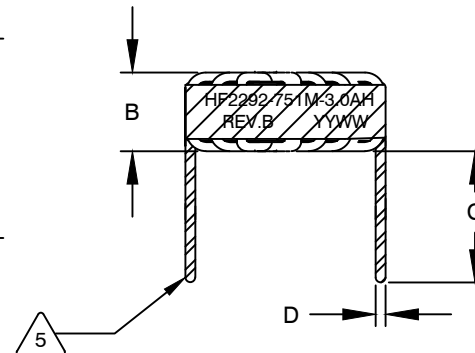
A MAX	B MAX	C MIN	D TYP	X REF
1.10 [28.30]	0.84 [21.30]	0.50 [12.70]	0.032 [0.81]	0.79 [20.00]



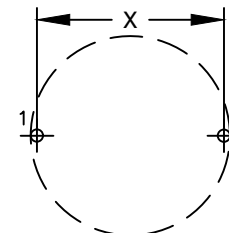
BOTTOM VIEW

REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	UPDATED SPEC.	KLC	11/9/10	JLAU	11/9/10
B	—	UPDATED SPEC.	TN	07/11/2020	JL	07/11/2020



FRONT VIEW



MOUNTING HOLES PATTERN

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	749uH
1	740uH
2	723uH
3	700uH

CODE IDENT		MFG. P/N		DESCRIPTION		ITEM NO.		
PARTS LIST								
AUTOCAD		X		COILWS COM, INC www.coilws.com			CWS Coil Winding Specialist. 353 West Grove Ave. Orange, CA 92865	
SOLIDWORKS								
SIGN		DATE		TITLE: TOROIDAL POWER INDUCTOR 750uH, 3.0 Amps, Horizontal				
DRAWN		TN 6/11/2020						
CHECKED		JM 6/11/2020						
ENGR.		JL 6/11/2020						
APPR.		JL 6/11/2020						
		SIZE		DWG. NO.		REV		
		B		HF2292-751M-3.0AH		B		
		SCALE		2=1		SHEET 1 OF 1		

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	

CAD-FILE: