

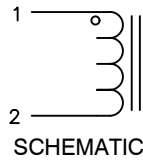
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DIMENSIONAL TOLERANCES
INCHES [MM]

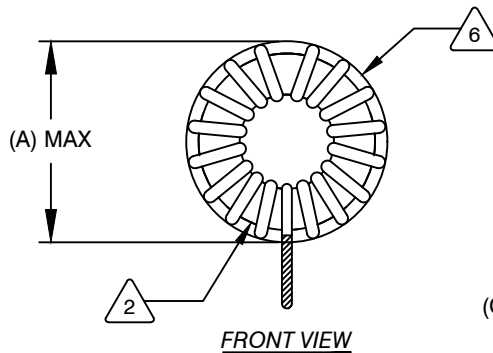
A MAX	B MAX	C MIN	D REF	X REF
1.10 [27.94]	0.48 [12.19]	0.50 [12.70]	0.025 [0.64]	0.45 [11.43]

REVISION HISTORY

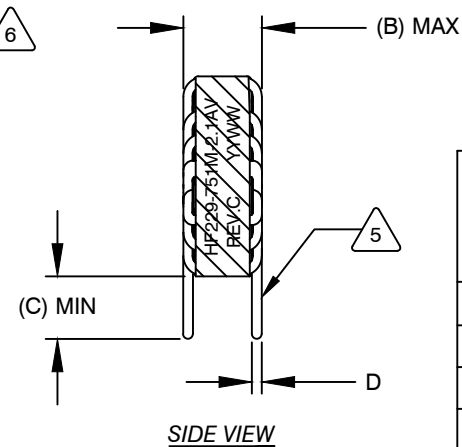
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
B	—	UPDATED SPEC.	TDK	4/6/04	JLAU	4/6/04
C	—	UPDATED SPEC.	TN	07/16/2020	JL	07/16/2020



SCHEMATIC



FRONT VIEW



SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	740uH
1	726uH
2	680uH
2.1	673uH

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: 50 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 58pF TYP @ SRF
SRF = 769KHz TYP
|Z| = 46.5 KILO-OHMS TYP @ SRF
RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 125°C
HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN.
CURRENT RATING : 2.1 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW
DCR = 240.0 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:

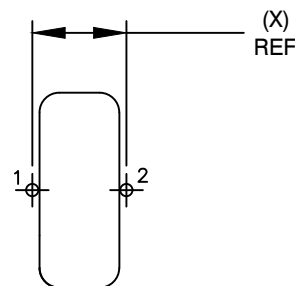
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: POWDERED TOROIDAL CORE, CWS BYTE MARK OR OTHER APPROVED PART

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS 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



MOUNTING HOLES PATTERN

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. 1510 E. Edinger Ave. Unit B. Santa Ana, CA. 92705			
DRAWN	TDK	2/8/04	TITLE: TOROIDAL POWER INDUCTOR 750uH, 2.1 Amps, Vertical			
CHECKED	JLAU	2/9/04				
ENGR.	KSUM	3/5/04				
APPR.	JLAU	3/6/04				
			SIZE B	DWG. NO.	HF229-751M-2.1AV	REV C
			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 <I=±0°30'
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 <I=±0°30'
ANGLE PROJECTION
DO NOT SCALE DRAWING